Creating Enabling Environment for Affordable Housing for All

Building Materials & Technology Promotion Council
Ministry of Housing & Urban Affairs
Government of India
Building Materials & Technology Promotion Council is an autonomous body under the aegis of the Ministry of Housing & Urban Affairs, Government of India, established in 1990. Since its inception, BMTPC has been working towards development and promotion of alternate, cost effective, energy-efficient, environment-friendly and disaster resistant building materials and construction technologies and its transfer from lab to land.

Vision

“BMTPC to be world class knowledge and demonstration hub for providing solutions to all with special focus on common man in the area of sustainable building materials, appropriate construction technologies & systems including disaster resistant construction.”

Mission

“To work towards a comprehensive and integrated approach for promotion and transfer of potential, cost-effective, environment-friendly, disaster resistant building materials and technologies including locally available materials from lab to land for sustainable development of housing.”

Objectives

- **Building Materials & Construction Technologies:** To promote development, standardization, mechanization and large scale field application of proven innovative and emerging building materials and technologies in the construction sector.

- **Capacity Building and Skill Development:** To work as a Training Resource Centre for capacity building and promotion of good construction practices to professionals, construction agencies, artisans and marketing of building technologies from lab to land.

- **Disaster Mitigation & Management:** To promote methodologies and technologies for natural disaster mitigation, vulnerability & risk reduction and retrofitting/ reconstruction of buildings and disaster resistant planning for human settlements.

- **Project Management & Consultancy:** To undertake project management and consultancy services including appraisal, monitoring and third party inspection of housing projects under the various Central/State Schemes.

Board of Management and Executive Committee

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<th>Board of Management</th>
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<tr>
<td><strong>President</strong></td>
<td><strong>Chairman</strong></td>
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<tr>
<td>Hon’ble Minister of Housing &amp; Urban Affairs, Government of India</td>
<td>Secretary, Ministry of Housing &amp; Urban Affairs</td>
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<tr>
<td><strong>Vice President</strong></td>
<td><strong>Members</strong></td>
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<tr>
<td>Secretary, Ministry of Housing &amp; Urban Affairs</td>
<td>Joint Secretary (Housing), MoHUA, Joint Secretary &amp; FA, MoHUA, Joint Secretary (HFA), MoHUA, CMD, HUDCO, Director, CBRI, Director, IIT Roorkee, Director, JSKM Architecture, Hyderabad</td>
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<td><strong>Members</strong></td>
<td><strong>Member Secretary</strong></td>
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<td>Advisor, NITI Aayog, CMD, HUDCO, Secretary, MSME, Secretary, Ministry of Science &amp; Technology, Secretary, DONER, Secretary, NDMA, DG, CSIR, DG, CPWD, Director, IIT Tirupati, Director, IIT Gandhinagar, Joint Secretary (Housing), MoHUA, Joint Secretary &amp; FA, MoHUA, Joint Secretary (HFA), MoHUA</td>
<td>Executive Director, BMTPC</td>
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Development & Promotion of Green Technologies

Walling
- Fly ash lime gypsum bricks/blocks (FaL-G)
- Sand Lime / Calcium Silicate Bricks
- Cellular light weight concrete blocks (CLC)
- Autoclaved Aerated Concrete blocks (AAC)
- Clay Fly ash bricks
- Compressed earth bricks/blocks
- Interlocking type compressed earth blocks
- Ferrocement panels
- Solid/Hollow Concrete blocks
- Precast concrete stone masonry blocks
- Bamboo mat boards
- Rat trap bond in bricks
- Jute composite boards
- Coir composite boards
- Bagasse board
- Cement bonded particle boards
- Phosphogypsum based panels
- Bamboocrete
- Pozzolonic mortar in blended cement
- EPS composites
- Bricks/blocks/pavers from C&D waste
- Hollow or Solid Lightweight Concrete Masonry Units
- Bricks/Blocks/Tiles from Marble and Granite industry waste

Roofing
- Prefabricated reinforced brick panels and joist
- Ferrocement roofing channels
- Micro concrete roofing tiles
- Bamboo mat corrugated roofing sheet
- Filler slab
- Bamboo mat ridge cap
- Jute-Bamboo composite roofing sheet
- Cuddapah slabs over RCC rafters
- Brick funicular shell roofing
- Precast blocks over inverted T-beams
- Insulation Tiles from mining waste
- Clay flooring tiles
- Burnt clay flat terracing tiles
- Precast Channel Unit for Floors / Roofs
- Precast R.C.C. Planks and Joists for Floors/Roofs
- Thin R.C. Ribbed Slab for Floors and Roofs
- Precast Concrete Waffle Units for Floors / Roofs
- Prefabricated Reinforced Concrete L-panels for Roofs
- Precast Doubly Curved Shell Units for Floors/Roofs
- Precast Reinforced / Prestressed Concrete Ribbed or Cored Slab Units for Floors / Roofs
- Specifications for Reinforced Brick and Reinforced Brick Concrete Slabs for Floors / Roofs

Joinery and Miscellaneous
- RCC Door and Window Frames
- Ferro cement door shutters
- RCC Jallies
- Precast thin lintels
- Precast sunshades
- Ferrocement water tank
- Brick on edge lintels
- Corbelling for lintels
- Brick arch for lintels
- Ferrocement staircases
- Geo-textiles
- Precast Concrete Manhole Covers & Frames
- Red Mud/Flyash Polymer door shutters
- Eco-friendly rubberwood flush door shutter
- Eco friendly solid core poplar wood flush door shutter
- Glass Fibre Reinforced Polymer doors and door frames

BMTPC has undertaken several demonstration projects to showcase and propagate these green technologies across the country.
Identification & Certification of Emerging Technologies

The Council has been evaluating alternative construction systems adopted world over to **identify, adapt** and **promote** such technologies suiting to Indian geo-climatic conditions on regular basis. In this process, 34 technologies/systems have been assessed and certified so far, which have potential to be used for mass housing in the country.

**ENGINEERED FORMWORK SYSTEM**
- Monolithic Concrete Construction System (Aluminium/Composite Formwork)
- Modular Tunnel Form

**STAY-IN-PLACE FORMWORK SYSTEM**
- Insulating Concrete Forms
- Monolithic Insulated Concrete System
- Structural Stay-in-place formwork system
- Lost-in-place formwork system- Plaswall Panel system
- Lost-in-place formwork system- Plasmolite Wall Panels
- Sismo Building Technology
- Glass Fibre Reinforced Gypsum Panel System
- Stay-In-Place PVC Wall Forms
- Permanent Wall Form (PVC)

**PREFABRICATED SANDWICH PANEL SYSTEM**
- Advanced Building System – Emmedue
- Rapid Panels
- Reinforced EPS Core Panel System
- QuickBuild 3D Panels
- Concrewall Panel System
- Prefabricated Fibre Reinforced Sandwich Panels
- Rising EPS (Beads) Cement Panels
- Flyash EPS (Beads) Cement Sandwich Panels
- PIR Dry Wall Pre-Fab Panel System
- Baupanel System
- V-Infill Wall (Light Weight EPS Wall)
- Nano Living System Technology
During the implementation of Pradhan Mantri Awas Yojana-Urban (PMAY(U), the quest to bring alternate and emerging construction systems from around the globe which can not only fast track delivery of quality sustainable houses but also comply with structural, functional and safety norms stipulated in Indian Standards gained importance. There has been good response from public and private agencies and State Governments and these new systems are being now slowly picked up and used in construction projects.
Demonstration Housing Projects using Emerging Technologies

The Council has been disseminating proven and emerging building materials & technologies in different regions of the country through **identification, evaluation, standardization, certification, capacity building and field level application** of such technologies.

The Council during recent past, has undertaken Demonstration Housing Projects in different parts of India using alternate and emerging technologies with the objective of spreading awareness about these technologies and disseminate technical know-how in the States under the Pradhan Mantri Awas Yojana (Urban) – Housing for All Mission.

The efforts of the Council have helped in building up confidence and acceptability of proven and emerging technologies in public & private construction agencies, professionals etc.

**Demonstration Houses (36 DUs) constructed using Glass Fibre Reinforced Gypsum (GFRG) Panel System at Nellore, Andhra Pradesh**

**Demonstration Houses (32 DUs) constructed using EPS Core Panel System at Bhubaneswar, Odisha**
Demonstration Housing Projects using Emerging Technologies

Demonstration Houses (36 DUs) constructed using Structural Stay in Place Formwork System (Coffor) at Bihar Shariff, Bihar

Demonstration Houses (40 DUs) constructed using Stay in Place Double Walled EPS Panel System at Aurangabad Jagir, Lucknow, Uttar Pradesh

Demonstration Houses constructed using Structural Stay in Place Formwork System (Coffor) (16 houses) and Light Gauge Steel Frame System (16 houses) at Gachibowli, Hyderabad, Telangana
Performance Appraisal Certification Scheme (PACS), being operated by BMTPC, is a third party voluntary scheme for providing Performance Appraisal Certificate (PAC) to manufacturers or installers of a product which includes building materials, products, components, elements and systems etc. after due process of assessment. The applications under PACS are processed on the basis of data furnished by the firms, information available on their websites, inspection of manufacturing plants at site of works and testing of samples of the products/systems etc. So far, the Council has issued 62 PACs on various products and systems.

What PACS means to:

**Society**
- Economic benefits
- Environmental improvement

**Users**
- Data for informed choice
- 3rd party assessment of manufacturers claims
- Confidence in use

**Designers**
- Data for design
- Detailed specifications
- Information on limitations

**Construction agencies**
- Confidence in use
- Choice of alternative cost effective materials
- Installation instructions
- Training needs identified

**Manufacturers/suppliers**
- Marketing tool
- Technical assessment
- Verifies your claims
- Scheme details tailored to your needs

Performance/Safety Requirements, as applicable
- Mechanical/structural stability
- Fire resistance/rating
- Behaviour in rain storm and lashing rain
- Thermal performance
- Acoustic performance
- Behaviour under high winds/storms
- Behaviour under dynamic loads
- Seismic resistance
- Energy consumption
- Health/hygiene requirements
- Ventilation requirements
- Durability requirements
- Behaviour under different geoclimatic conditions

A 3rd Party Scheme to give data for informed building choice & confidence for use of New Building Products & Systems

Already similar schemes in operation in other countries like UK, Australia, New Zealand, France, South Africa besides India.
BMTPC provides technical inputs to various Sectional Committees of Bureau of Indian Standards (BIS), for formulation of Indian Standards on subjects related to Civil Engineering since inception. Working with BIS, the Council has facilitated formulation of Indian Standards on a number of proven alternate technologies. Formulated Working Specifications on cost-effective, environment-friendly, energy-efficient building materials and techniques and most of these specifications have been included in the Schedule of Specifications of Central Public Works Department (CPWD).

**Introduction of Emerging Technologies in National Building Code 2016 by BIS**

Provisions have been updated in National Building Code 2016 to ensure use of new/alternative building materials and technologies to provide for innovation in the field of building construction. Updated provisions on new alternate technologies for speedier construction have also been included in Part-5 BUILDING MATERIALS; Part-6 STRUCTURAL DESIGN: Section 7 Prefabrication and Systems Building and Mixed/Composite Construction, 7A Prefabricated Concrete, 7B Systems Building and Mixed/Composite Construction and Part-7 CONSTRUCTION MANAGEMENT, PRACTICES AND SAFETY.

After detailed deliberations with BMTPC and due consultation with their concerned experts, BIS has included the following technologies in the National Building Code (NBC) 2016.

- Monolithic Concrete Construction System using Aluminum Formwork/Plastic & Aluminum Formwork- Modular aluminium formwork system, is covered in Cl. 6.3 of NBC: Part 6/Section 7B
- Expanded Polystyrene Core Panel, is covered in NBC: Part 6/Section 7A
- Industrialized System using Precast RCC Columns, Beams & Cellular Light Weight Concrete Precast RCC Slabs, is covered in NBC: Part 6/Section 7A
- Cold-rolled Formed Steel Joist Based /composite Concrete Floor System is, covered in NBC: Part 6/Section 7B in general covers use of various combinations of materials for mixed/composite buildings.
- Factory made pre-engineered steel structures with reinforced concrete Expanded Polystyrene core based panel or any other alternative infill walls is, covered in NBC: Part 7
- Light Gauge Steel Framed Structures (LGSF) is, covered in NBC: Part 7
- Rat Trap Bond for masonry is included in the NBC.

**INCLUSION OF EMERGING TECHNOLOGIES BY CPWD**

With the efforts of the Ministry and BMTPC, CPWD has approved 16 new and emerging technologies for adoption in CPWD works for the benefit of all users vide OM No. 133/SE(TAS)/DSR/2019/115-H dated 12.03.2019:

1. Monolithic concrete construction system using Aluminium Formwork
2. Monolithic concrete construction system using Plastic-Aluminium Formwork
3. Reinforced EPC Panel Systems
4. Light Gauge Sheet Framed Structures (LGSF)
5. Industrialized 3-S system using RCC precast with or without shear walls, columns, beams, cellular light weight concrete slabs/semi-precast solid slab
6. Speed floor system
7. Glass Fibre Reinforced Gypsum (GFRG) Panel Building System
8. Factory made Fast Track Modular Building System
9. Non-Asbestos fibre Reinforced aerated sandwich wall/roof/floor light weight solid core panel (Prefabricated Fibre Reinforced sandwich panels)
10. EPS Cement sandwich wall/roof/floor light weight solid core panel
11. Block Masonry using AAC blocks
12. Block Masonry using Fly ash bricks
14. Use of self-compacting Concrete
15. Use of Confined Masonry
16. Use of C&D Waste Products in Construction

Following 13 new and emerging technologies have also been approved by CPWD vide OM No.133/SE(TAS)/DSR/2019/376-H dated 17.09.2019:

1. Advanced building system-EMMEDUE
2. Rapid panels
3. QuickBuild 3D panels
4. Concrete panel system
5. Bau Panel system
6. Flyash EPS (Beads) cement sandwich panels
7. Rigid EPS (Cellular plastic material) blocks
8. Light Gauge Steel Framed Structure with infill Concrete panel technology
9. SRPL Building System (Waffle-Crete)
10. Precast Large concrete Panel System
11. Walltech Hollow core concrete panel
12. Robomatic Hollow concrete wall panels
13. Stamping concrete

**CPWD has published Schedule of Rates 2018 for new and innovative technologies.**
BMTPC has been front runners in the area of Disaster Mitigation & Management. BMTPC is committed to promote the pro-active approach towards it and has been educating professionals and creating mass awareness amongst various stakeholders including common man through publications, guidelines, vulnerability atlas, retrofitting and handholding.

**Vulnerability Atlas of India, 2019 (Third Edition)** – A Tool to natural disaster prevention, preparedness and mitigation for housing and related infrastructure Building


The Atlas is a useful tool not only for public but also for Urban Managers, State & National Authorities dealing with disaster mitigation and management.

**e-Course on Vulnerability Atlas of India**

The e-Course on Vulnerability Atlas of India has been launched to provide awareness and understanding about natural hazards, helps identify regions with high vulnerability with respect to various hazards (earthquakes, cyclones, landslides, floods, etc.) and specifies district-wise level of damage risks to the existing housing stock.

The e-Course is being offered jointly by the School of Planning & Architecture, New Delhi and BMTPC.

**Who can Benefit**

- Students/ Faculty/ Practitioners/ Researchers/ Individuals
- Defence/ Central Armed Police Forces
- National/ State Disaster Management Authorities
- Central/ State/ Local Government Officials
- Public/ Private Professionals
- Consulting Organisations, Civil Society Organisations
- Construction Agencies/ Organisations
Disaster Mitigation & Management

Thematic Workshop on Vulnerability Atlas of India and Disaster Resistant Design & Construction Practices

In order to educate about the hazard scenario of the country and indicative risk assessment as given in Vulnerability Atlas of India, the Secretary, Ministry of Housing & Urban Affairs, Govt. of India addressed all Chief Secretaries of State/UTs, IITs, CPSUs and Central Ministries/Deptt. to organize state level one-day workshops. The Council has received overwhelming response for organization of Thematic Workshops. The Thematic Workshops on Vulnerability Atlas of India and Disaster Resistant Design & Construction Practices are being organised across India and so far six such workshops have been organised:

- For stakeholders of Government, Semi-Government, Ministries and PSUs in NCR region at New Delhi.
- For students and faculty members of Architecture & Civil Engineering Colleges at IIT Tirupati.
- For engineers, architects and designers of MECON Ltd. at Ranchi.
- For State Govt. officials and students of Architecture & Civil Engineering Colleges with Town & Country Planning Department, Puducherry at Puducherry.
- For engineers of Engineers India Ltd. at Engineers India Ltd. Gurugram Campus.
- For educational institutions under Ministry of Human Resource Development and engineers of Engineering Projects (India) Ltd. at New Delhi.

Guidelines and Manuals

BMTPC has published a number of Guidelines, Informative Booklets and Manuals relating to housing in disaster prone areas affected by Earthquakes, Floods, Cyclones, Landslides etc., for use by the professionals and the common man.

Seismic Strengthening of Buildings

Besides, dissemination of earthquake resistant construction technologies and systems, retrofitting of life line buildings undertaken in Jammu & Kashmir, Gujarat, Uttarakhand and Delhi as demonstration projects.
The Ministry of Housing & Urban Affairs, Government of India is implementing "Pradhan Mantri Awas Yojana (Urban) - Housing for All" Mission. The Council has been designated appraisal and monitoring agency under Pradhan Mantri Awas Yojana (Urban) for projects in various States/UTs falling in Earthquake Zone IV and Zone V and undertake TPIM review and capacity building of functionaries of state local bodies. The Council is undertaking site visits and scrutinizing the DPR of various projects as per the direction of the HFA Directorate.

Technology Sub-Mission

A Technology Sub-Mission has been set up under PMAY(U) with the objective of providing “Sustainable Technological Solutions for Faster & Cost Effective Construction of Houses suiting to Geo-Climatic and Hazard Conditions of the Country”. The Sub-Mission facilitates adoption of modern, innovative and green technologies and building material for faster and quality construction of houses. Sub-Mission also assist States/Cities in deploying disaster resistant and environment friendly technologies in collaboration with IITs/ NITs/SPAs. BMTPC is working as Secretariat of the Technology Sub-Mission.

Participation in Global Housing Technology Challenge - India

BMTPC provided technical support for Global Housing Technology Challenge–India (GHTC-India). The Construction Technology India (CTI) - an Expo-cum-Conference was organized from 2-3 March, 2019 at New Delhi under GHTC-I. CTI is a biennial event to take stock of innovations in construction. Through GHTC-India, Ministry of Housing & Urban Affairs, Government of India seeks to identify cost-effective and speedy construction technologies. The identified technologies with the capability to provide maximum number of houses in minimum time and cost would be mainstreamed into the Indian construction industry and piloted across different climatic conditions of the country. A basket of proven technologies were shortlisted for Light House Projects (LHPs). The proven technologies are being showcased through execution of Light House Projects (LHPs) across six States. These LHPs will be live laboratories to establish clean and green construction practices across India and will help in sustainable construction. BMTPC is actively involved in the implementation of Light House Projects.
BMTPC has been providing technical support and handholding various States/Departments for identifying and finalizing new emerging technologies for their future projects. This includes guiding them in preparation of EoI w.r.t. eligibility conditions for new technologies, suggest use of emerging technologies for their projects and suitable modifications in the tender document, appraisal of DPR and also providing inputs during the pre-bid meetings, etc.

There has been good response from public and private agencies and State Governments e.g. Andhra Pradesh, Chhattisgarh, Delhi, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Puducherry, Tamil Nadu, Telangana, Tripura, Uttar Pradesh, Uttarakhand and West Bengal. They have started using these new systems in their construction projects. Some of Central Govt. Deptts. such as MES, Ministry of Defence, CRPF, BSF, Police Housing Corporation, CPWD, NBCC, HPL, IITs have also started using emerging technologies.

New technologies mainly used are EPS and other Sandwich Panel, Monolithic RCC using Aluminum Formwork, Monolithic RCC using Tunnel Formwork, Precast RCC Technology, Precast RCC (Wafflecrete), SLIP form work, Precast 3D Volumetric Technology, Prefabricated Steel Structure, Structural Stay-in-Place Formwork System, Light Gauge Steel Frame Structure, Glass Fibre Reinforced Gypsum Panel System, etc.
Capacity Building and Skill Development

With the emergence of new building materials, advancement of technologies and the need for disaster resistant construction to mitigate the effect of natural disasters, it is important that working professionals regularly update their knowledge and understanding of subjects.

Realising this need, the Council organizes Awareness Generation Programmes, Workshops, Exhibitions, Capacity Building and Training Programmes for construction professionals and workforce on continual basis. In addition, BMTPC also participates in exhibitions, conferences, symposiums, seminars, workshop, etc. to disseminate the information. These programmes are being organised by BMTPC in collaboration with Academic, R&D, NGOs and public & private Institutions.

- National Workshop on “Processing and Use of Construction & Demolition Waste” at New Delhi
- National Seminar on Emerging Building Materials & Construction Technologies at New Delhi
- Workshop/ Hands on for Fly Ash Brick Manufacturers organised at Jhajjar, Haryana
- Workshop on Use of Bamboo in Housing & Building Construction at Namsai, Arunachal Pradesh

Glimpses of Training Program at NTPC-Jhajjar
Priced Publications of BMTPC

1. Building Materials in India: 50 Years - 560 pages, Rs. 1500 + 200 postage
2. Manual on Water Proofing of GFRG Buildings - 70 pages, Rs. 200 + 50 postage
3. Schedule of Items & Rate Analysis for GFRG Construction - 50 pages, Rs. 200 + 50 postage
4. Standards and Specifications for Cost Effective Innovative Building Materials and Techniques Including Rate Analysis (Second Edition) - 200 pages, Rs. 250 + 75 postage
7. Sustainable Building Technology - 352 pages, Rs. 995 + 75 postage
8. Guidebook on Earthquake Resistant Design and Construction - 366 pages, Rs. 1000 + 200 postage
9. Vulnerability Atlas of India (First Revision - 2006) - Earthquake, Windstorm and Flood Hazard Maps and Damage Risk to Housing - 900 pages, Rs. 5000 + 200 postage
12. Manual for Restoration and Retrofitting of Buildings in Uttarakhand and Himachal Pradesh - 134 pages, Rs. 250 + 75 postage
13. Guidelines for Improving Earthquake Resistance of Housing - 84 pages, Rs. 350 + 75 postage
14. Guidelines for Improving Flood Resistance of Housing - 36 pages, Rs. 200 + 50 postage
15. Guidelines for Improving Wind/Cyclone Resistance of Housing - 50 pages, Rs. 350 + 75 postage

Publications can be obtained by making ONLINE payments to the BMTPC Account:

A/c No.: 62054931366
A/c Name: Building Materials & Technology Promotion Council
Bank Name: State Bank of India
Bank Address: Pragati Vihar, Delhi Branch, Core 6, SCOPE Complex, Lodhi Road, New Delhi - 110003
IFSC Code: SBIN0020511
Branch Code: 20511

Promotional Publications of BMTPC

1. Corporate Brochure - in English and Hindi
2. BMTPC Newsletters
3. Bamboo in Housing & Building Construction - Initiatives by BMTPC
4. Seismic Retrofitting of MCD School Buildings in New Delhi
5. Disaster Mitigation and Management – Initiatives by BMTPC
6. Propagation of Cost Effective and Disaster Resistant Technologies through Demonstration Construction
7. Design & Construction of Earthquake Resistant Structures – A Practical Treatise for Engineers and Architects
10. GFRG/Rapidwall Building Structural Design Manual
11. Training and Certification Manual for Field and Lab Technicians working with concrete
12. Training Manual for Supervisor (English & Hindi)
14. CD on Guidelines for Technical Training of Masons in Hindi
15. Guidelines for Multi-Hazard Resistant Construction for EWS Housing Projects
17. Design Packages using Alternate Building Materials & Technologies for Western and Southern Regions.
18. Criteria for Production Control of Ready Mix Concrete for RMC Capability Certification
19. Explanatory Handbook on Performance Appraisal Certification Scheme (PACS)
20. Building Artisan Certification System
21. Guidelines on “Rapid Visual Screening of Buildings of Masonry and Reinforced Concrete as Prevalent in India”.
22. Methodology for Documenting Seismic Safety of Housing Typologies in India
23. Compendium of Prospective Emerging Technologies for Mass Housing - 3rd Edition
24. Demonstrating Cost Effective Technologies – A Case Study of Bawana Industrial Workers Housing
25. Emerging Building Materials and Construction Technologies
26. Margdarshika for Masons (in Hindi)
27. Pocket Book on Emerging Construction Systems
28. Building Materials and Housing Technologies for Sustainable Development
29. Brochure on Vulnerability Atlas of India

Note: As per the Govt. Notification, GST @ 5% over the amount.
BMTPC GST No. 07AAATB0304Q1ZW

Contact us for all your queries on Building Materials, Construction Technologies and Systems, Requirements of Capacity Building, Assessment and Certification of Products, Field Level Demonstration of Cost Effective, Innovative and Disaster Resistant Building Materials and Construction Technologies, Detailed Project Reports, Third Party Inspection & Monitoring of Housing Projects etc.

For Further Details please contact:
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