



Building Materials & Technology Promotion Council
Ministry of Housing & Urban Poverty Alleviation, Govt. of India
Core – 5A, 1st Floor, India Habitat Centre Lodhi Road, New Delhi
(No .BMT/Training/ RFD 2015-16 dated 8.07.2015)

Inviting Expression of Interest for “Pilot Training Assessment & Certification of Building Artisans of 5 Modules in Hindi Belt” (Delhi, NCR Delhi & Uttarakhand) first extension of date up to 17th September 15

BMTPC invites Expression of Interest from the Government sector, Semi Government and Non-Government organizations including training Institutes for i.e. imparting Skill Training to persons belonging to the construction sector in 5 modules i.e. (1) Bar Bending, (2) Concreting, (3) Shuttering, (4) Masons and (5) Assistant Masons. The organization should have its own training infrastructure, qualified faculty and market acceptable certification and core competence in training research and skill development. The organisation should have pan India presence & should be functional at least for 2 years.

The Expression of Interest may be sent by speed post and registered post only. The technical and financial bid shall be kept in two separate envelopes indicating clearly on the cover Technical Bid and Financial bid respectively. Both the envelopes to be kept in one bigger envelope with heading “Expression of Interest for Training Programme” on the cover. The Expression of Interest to be submitted latest by 1700h, 17th September, 2015 along with financial and technical bid by post only the bidders who have bid earlier need to apply afresh. (For detailed guidelines kindly see Annexure-1).

Last date -1700h, 17th September, 2015

Address of submitting the EOI:

The Executive Director,
Building Materials and Technology Promotion Council
Core 5 A, 1st Floor, India Habitat Centre, Lodhi Road
New Delhi -110003

The Executive Director, BMTPC reserves the right to accept or reject any or all the bids without assigning any reason thereof. The decision of Executive Director in this regard will be final.

DETAILED GUIDELINES

The Building Materials & Technology Promotion Council (BMTPC) was setup in 1990 as an autonomous organization under the Ministry of Housing & Urban Poverty Alleviation, Government of India to bridge the gap between laboratory research and field level application. BMTPC has been promoting cost-effective, environment friendly, energy efficient building materials and construction techniques including emerging technologies in different regions of the country.

Scope of work:

As approved in the RFD for the financial year 2015-16, the Council is inviting Expression of Interest for “Pilot Assessment and Training of Building Artisans in 5 Modules for BMTPC Certification System in Hindi Speaking Belt” of 202 No’s Participants in the region namely:

1. Delhi,
2. NCR Delhi,
3. Uttarakhand.

These trainees will be trained in total 20 batches of capacity 13 to 14 participants in each batch on 5 Modules i.e. **(1) Bar Bending, (2) Concreting, (3) Shuttering, (4) Masons & (5) Assistant Mason.**

Details of the system envisaged:

Training: The training duration would be for three days on BMTPC designed Modules in Hindi for the following modules : Bar Bending, Concreting, Shuttering, Masons & Assistant Mason with **suitable stipend** to artisan during three days. **BMTPC may also consider two training programme in NCR instead of in Delhi.**

Batch size: Ideally there will be a minimum of 13 to 14 candidates and a maximum of 20.

The bidder is allowed to bid on one or more regions, but not compelled to bid for all three.

Assessment & Training Location: Assessment and training will be ideally carried out in a location close to where the candidates live or work. In other words, it will be at a location that is easily reached by the candidates.

Hosting Agency: A local host agency such as a group working with artisans will host the program of assessment. In other words, this organization will make all the arrangements at the site for the assessment. More than likely, the same organization would be orienting the artisans for the test. Preference will be given to workers working at construction site.

Assessors: The assessors will bring with them the test papers, assessment sheets etc. that would be used for assessing the artisan. In this case assessors will be from BMTPC and NCPDP or nominated by BMTPC & NCPDP.

Exam modes: Every candidate is to be assessed for the know-how he/she Possesses and his/her skill level. This would be done through “oral”, “written”, and “hands-on” exams. The weightage of each one of them would vary significantly. The basic details of the assessment system has already been developed by BMTPC as a part of the Certification System.

Arrangement for Dummy Readers: In case of individuals with very low level of functional literacy, dummy reader also would be arranged locally from the community, while making sure that the dummy reader is not from the construction field.

Questions for exam: For each mode of testing a large selection of questions have been prepared. From those, for the written test, a number of questions with multiple answers in pictorial form have been prepared. These papers have been made keeping in mind the neo-literate candidates.

Arrangements for Assessment: Written and oral tests will be taken indoors in rooms or under the shade of a tree. The hands-on tests are done in-situ, on mock-ups and, if possible, on a building under construction. Hands-on test also could be accompanied by relevant oral questions.

Construction materials: All necessary materials will be kept at the site for the hands-on tests by the Assessment Event Host agency. The exam will best be conducted at a masonry building construction site for Mason and Assistant Mason modules. The exam for Concreting, Bar-bending and Shuttering modules will best be conducted at a RC building construction site. The arrangement for the materials could be so made that the materials including masonry units, the ingredients of masonry mortar, cement plaster, steel bars etc. would be available at the site. The contractor managing the site would be reimbursed for the materials that get used and can't be salvaged.

Time required: Based on the past experience it is assumed that the oral test would take approximately 10 to a maximum of 15 minutes per candidate, written test up to 1/2 hour for the group, and hands-on test approximately 3 to 3½ hrs.

Assessor team size: Adequate number of assessors will be sent to make sure that the whole group's assessment is completed in one day. This will include two or more Assessors. The number will be dependent upon the number of participants. The likely numbers are indicated in a chart below. This also results in to different costs per candidate.

No. of candidates – Max.	20	14	7
No. of Assessors	3	2	1

In order to conduct the tests in an efficient manner, the sequencing of activities will be planned in advance. Based on the previous assessments, the written test would be taken first. This would be followed by different hands-on activities. The whole Group would be divided into batches of approx. 6 to 7 that can be handled by one assessor. Each batch would be tested at the same time by a particular assessor. Alternatively, the assessors could divide up, with one of them conducting the Hands-on examination, the other person conducting written test and the third conducting the

oral examination.

The indoor venue will be large enough to permit sitting that is not crowded. Similarly, for the hands-on test the field will be large enough so that a number of candidates could be tested simultaneously.

Action Plan of the Project:

- (a) It is envisaged to assess several practicing artisans in accordance to the BMTPC Building Artisan Certification System. Basic topic-wise details of the training and assessment procedure will be given in one day orientation programme by NCPDP & BMTPC for each module.
- (b) A team of one to three assessors will be involved at any given event.
- (c) The participating organizations will orient the artisans as found necessary as per the curriculum of the assessment included in the BMTPC Building Artisan Certification System.
- (d) These organizations will also make the arrangements for the assessment of the artisans.
- (e) A team of assessors, as indicated above will assess these batches in accordance to the BMTPC Certification system mentioned above.
- (f) The assessment data will be analysed to arrive at the grading of individual candidate.
- (g) All the candidate data will be computerized to evolve a database on the certified candidates.
- (h) A report will be prepared based on the observations of the assessment procedure for input in evolving the certification system for Hindi belt.

With this background, BMTPC invites bids from experienced and technically qualified organizations fulfilling following eligibility criteria:

- 1. Any public or private sector institution that has demonstrated experience of working on construction sector training research and certification.
- 2. The institution can be registered either as a company, society or trust.

The Mandatory requirements from the Bidder:

- 1. The institution has completed at least 2 years of functioning (financial years) as on 1st April 2015.
- 2. The institution has substantial knowledge and experience in Building Materials & Construction Technologies, Capacity Building and Skill Development Including technology, marketing, training etc. and has the necessary human resources to support these activities.
- 3. The institution has developed course curriculum on the construction sector.
- 4. The institution has proven ability to provide training and capacity building support to large number artisans.
- 5. The institution has documented and published case studies, success stories

and other relevant material on Building Materials & Construction Technologies, Capacity Building and Skill Development.

6. The institution has previous demonstrated experience of working with State Governments/ NRLM other related programmes of the Central or State Governments.
7. The institution has in depth knowledge and practical training.
8. The institution is not black-listed by any Central or State agency.
9. The institution has managed training and capacity building programs by deploying funds of at least Rs.75 lakhs per annum. Kindly furnish requisite documents.
10. It is in compliance of all necessary laws and statutes on the date of application.
11. Non Refundable Earnest Money of Rs. 1,000/- (Rupees: One Thousand only) is submitted in the form of a demand draft payable to Building Materials & Technology Promotion Council payable at New Delhi.

The evaluation criteria for shortlisting the agencies will be based on weighted score as given below. Financial bids of those bidders who score at least 60% marks in technical assessment, will only be opened. In case the number of qualifying technical bids is less than three, fresh proposals will be invited. The criterion for selection of the proposal will be as follows:

Sr. No.	Item	Marks
Organization's capacity & capabilities		
1	A. Experience of the Organisation in undertaking similar projects In Hindi belt in India B. The institution has substantial knowledge and experience in Building Materials & Construction Technologies, Capacity Building and Skill Development, training etc. and has the necessary human resources to support these activities. C. At least tie-ups with three builders. With consent letter (10+10+10)	30

2	Financial turnover of the Organization above 75 lakhs (Minimum 50lakhs Turnover on training work only) (5+15)	20
Manpower facilities		
1	Qualification and relevant experience of the : A. Own training infrastructure. B. faculty at least three civil engineers and architects who will be involve in training in three location .(10+10)	20
2	A. The institution has previous demonstrated experience of working with State Governments/ NRLM other related programmes of the Central or State Governments. B. Two professionals to be involved in project - Bachelor's degree or Master's degree plus experiences ranging from 5 to 15 years' experience; Maximum Three professionals to be involved in project - Diploma plus 2 to 10 years' experience. (5+ 10)	15
II	A. Approach & Methodology to be adopted by the Organisation for the proposed work; B. Syllabus to be covered.(10+05)	15
	Total	100

The financial bid should include cost of the proposed work including all applicable taxes. The cost should be written both in figures as well as in words. If the proposed budget is beyond our estimate then council reserves the right to reject the firm.

Envelopes containing the bids will be put in envelopes marked “**Technical Bid**” and “**Financial Bid**” as the case may be. The two covers should then be kept in one larger sealed envelope and be sent to the undersigned with a covering letter. The proposal should be formulated as per guidelines of the BMTPC.

Last date -1700h, 17th September, 2015

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The Executive Director,
Building Materials and Technology Promotion Council
Core 5A, 1st Floor, India Habitat Centre, Lodhi Road
New Delhi -110 003

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