



**BUILDING MATERIALS & TECHNOLOGY PROMOTION COUNCIL
(BMTPC)**

PERFORMANCE APPRAISAL CERTIFICATION SCHEME (PACS)

PRELIMINARY APPLICATION (PA)

(Tick ✓ Appropriate boxes where provided. If uncertain/unknown tick ✓ empty box where provided. Y=Yes, N=No. NA= Not applicable. Strike out items not applicable)

Note 1: Fill the Form on the basis of information already available with you. At the time of study of your Preliminary Application (PA) duly filled, the Appraisal Unit of the BMTPC Board of Agreement will prepare a Detailed Application Form (DAF) specifically tailored to your organisation. The DAF will list all the information needed, indicate to you the information, if any, to be collected as a part of the Detailed Application.

Note 2: Use separate form for each product.

Note 3: It will be of help to expedite the processing of your Application if you provide along with PA, information listed in the Annex to this form.

Note 4: If you attach Annexes number them serially and reference them against the corresponding item. If the information is contained in a overall document(s) which you attach, either extract the relevant information as Annex or provide page reference to the overall document; the former procedure will be helpful in clearer understanding by us.

Note 5: You may provide any additional information which in your opinion will be useful in planning the assessment and in assessing the product.

Note 6: All information provided by you in this Form will be treated as confidential.

1 ORGANIZATION/COMPANY PROFILE

1.1 Name of Organization/Company

1.2 Date of establishment

1.3 Are documents authenticating the name of the firm and its location available ?

Y	N
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1.4 Addresses

1.5 Communication Link

Telephone _____
Telex _____
Fax _____
E.mail _____
Web Site _____

1.6 Name and Address of C.E.O.

Telephone : Office _____ Residence _____
E.mail: _____

1.7 a. Total number of employees:

b. Total number of technical personnel:

1.8 Annual Turnover

1.9 Any foreign collaboration (technological)?

Y	N
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If yes, name and address of collaborating Organization

Does the collaborator have similar Certification in his country ?

Y	N	
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1.10 Applicant is Manufacturer/Supplier/Installer/Exporter/Importer* of the Product applied for

*Strike out whichever is not applicable

2. PRODUCT PROFILE

2.1 General

2.1.1 Name of the Product _____

2.1.1.1 Is it a material/product/component/sub-system/system/any other (specify)

2.1.2 Since when is the production in the market ? _____ Month _____ Year

2.1.3 Attach any pamphlets you may have on the product (including technical details)

2.2 Use

2.2.1 The product is meant for internal use /external use; dry situations / wet situations

2.2.2 Its use _____

2.2.3 Which traditional product does it intend to replace/supplement?

2.2.4 What are the advantages to the user ?

2.3 Development and extent of indigenous content

2.3.1 Where was the product developed?

Organization	City	Country
_____	_____	_____
_____	_____	_____

2.3.2 Where was it tested?

2.3.3 Is it indigenous or imported? indigenous / imported

2.3.4 Are there other manufacturers of the product in India ?

Y	N	
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2.3.4 Are there suppliers in India of similar product from another country ?

Y	N	
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2.4 Process

2.4.1 List of raw materials / components used in the manufacture / assembly / installation of the product

2.4.2 Does the process yield any byproduct(s)?

Y	N
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2.5 Susceptibility to attack by/ inhibits

Susceptibility to attack by					Inhibits			
NA	Y	N			NA	Y	N	
				RODENT				
				INSECTS/ BORERS				
				FUNGUS				
				MOULD				

2.6 What are the performance characteristics applicable to your product?

Tick ✓ the first box if the performance characteristic is applicable, cross ✗ if not applicable, leave blank if uncertain .

If related test results are available tick ✓ the second box; leave blank if test results are not available.

If test method is available to evaluate the performance, tick ✓ the third box; blank box will indicate ‘NO’ If you have no information write ‘NI’ in the box.

Required Performance Characteristics	Test results available		Test method availability
	1	2	3
i. Mechanical/structural stability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ii. Behaviour in fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iii. Behaviour in rain/storm/lashing rain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iv. Thermal performance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
v. Acoustic performance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
vi. Behaviour under high wind/storms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
vii. Behaviour in humid conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
viii Behaviour under high moisture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ix. Behaviour submerged in water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
x. Behaviour in flood situations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xi. Snow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xii. Behaviour under dynamic loads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xiii. Behaviour in earthquake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xiv. Energy consumption in installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xv. Energy consumption in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xvi. Energy consumption in manufacture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xvii. Health/hygiene requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xviii. Ventilation requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Required Performance Characteristics	Test results available		Test method availability
	1	2	3
xix. Durability requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xx. Behaviour under different geo-climatic conditions			
Hot and arid (Desert type)**	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hot and humid (Coastal)@	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warm and humid (Coastal)#	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cold (High altitude)+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Others (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xxi. Cost saving	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xxii. Time saving	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xxiii. Reduction in life cycle cost	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
xxiv. Others (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.5.1 List tests done on your product relating to the above (enclose results)

** eg Delhi, Jaipur @ eg Chennai, Mumbai, Kozhicode) # eg Thiruvananthapuram, Puri, Tezpur, Silchar
+ eg Mussoorie, Ootacamund, Srinagar, Shillong

3 PRODUCTION DATA

3.1 Quantum of actual production in the last 3 years and trend for next 3 years (Mention unit of quantity)

Year	Quantum of production	Rupee value

3.1.1 Unit and unit price

Unit Unit Price

4. EXPERIENCE IN USE

4.1 Since when the product in use ? _____

List 3 major users:

1. _____
2. _____
3. _____

4.2 Product suitable for use in conditions obtained in:

Hot and arid (Desert type)**

Y	N	
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Hot and humid (Coastal)@

Y	N	
---	---	--

Warm and humid (Coastal)#

Y	N	
---	---	--

Cold (High altitude)+

Y	N	
---	---	--

4.3 Product suited-specialy suited (S*) for use in conditions obtained in:

Earthquake

Y	S*	N	
---	----	---	--

Flood

Y	S*	N	
---	----	---	--

Cyclone

Y	S*	N	
---	----	---	--

Heavy wind / storm

Y	S*	N	
---	----	---	--

Lashing rain

Y	S*	N	
---	----	---	--

** eg Delhi, Jaipur @ eg Chennai, Mumbai, Kozhicode) # eg Thiruvananthapuram, Puri, Tezpr, Silchar
+ eg Mussoorie, Ootacamund, Srinagar, Shillong

5.2 Have you formulated your company standards related to the product ?

For the raw materials

Y	N
---	---

For component

Y	N
---	---

For the final product

Y	N
---	---

Guiding manuals/ pamphlets for the use
of the product (Attach, if you have)

Y	N
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5.3 Are testing facilities available in the country.?

If 'yes' list 2 organizations

Y	N	
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5.4 Availability of test facilities with you No / Partial / Full

If 'No' or 'Partial' do you have access on regular basis to facilities for complete
Testing

Y	N
---	---

5.5 Do you operate the BIS certification scheme (ISI mark) for
the product for which you are applying ?

Y	N
---	---

Has BIS ever rejected your application and when?

Y	N
---	---

5.5.1 Does any other manufacturer of the product operate the
BIS certification licence for ISI mark ?

Y	N	
---	---	--

5.6 Do you use quality assurance methods eg. as in ISO 9000 family
of standards ?

Y	N
---	---

If 'yes' do you have a documented quality assurance system ?

Y	N
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6 SOCIAL ASPECTS

6.1 Environmental aspects

Attach a brief note on the environmental aspects of your machine, if any
(For points that may be considered see 5 of Annex)

6.2 Energy consumption / conservation / efficiency

Attach a brief note on the Energy consumption / conservation / efficiency aspects of your product, if any
(For points that may be considered see 6 of Annex)

6.3 User benefits

Lowers cost of construction	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>
Speeds up construction considerably	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>
Reduces maintenance cost	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>
Reduces life-cycle costs	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>
Easy to maintain	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>
Easy replaceability	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>

6.4 Regulatory requirements

List Acts, Rules, Regulations relating to Town Planning ,Fire Safety, Environmental Protection and Control, Pollution Control, Building Bylaws etc of the central, state govt. and local bodies applicable to the product in manufacture ,installation and use.

6.5 Training needs

Is specialized training needed for	Are training facilities Available?		
installing your product	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>
using the product	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>
maintaining the product	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>

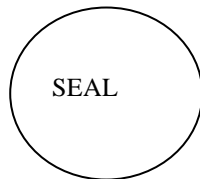
Attach related manuals / pamphlets if available

7 SCOPE OF ASSESSMENT

What in your view the scope of assessment should be for your product?

8 ANY OTHER INFORMATION

Provide any additional information you may want to:



Authorized signatory of applicant's organization with name, designation and date

1. Abbreviations:

- NA = Not Applicable
- CEO = Chief Executive Officer
- IS = Indian Standards issued by BIS
- ISO = ISO Standards issued by International Organisation for Standardization
- BS = British Standard
- ASTM = American Society for Testing and Materials.

2. To be submitted in duplicate.

Annex

Following information , if provided with your application would help in expediting the processing of your application:

Note: Item number given in brackets refers to the relevant item in the Preliminary Application Form

- 1 Flow chart of production / assembly / process (Item 2.3)
- 2 Test methods for additional properties built- in by you into the product (Item 5.1.1)
- 3 Indicate the test methods used / data collected for comparing energy consumption / conservation / efficiency giving the name of the organization which evaluated your product in these aspects (Item 6.2)
- 4 Indicate the results of any energy audit that you may have conducted to establish energy consumption aspects of your product (Item 6.3)

5 **6.1 Environmental aspects**

6.1.1 Do you use waste materials?

Y	N
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6.1.2 Are any special requirements needed for disposal of the product after its life?

Y	N	
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6.1.3 Is the product recyclable?

Y	N	
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6.1.4 Pollution control:

Do you use pollution control measures in manufacture

for

Does your product require any pollution control systems while in use

NA	Y	N	
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AIR

NA	Y	N	
----	---	---	--

NA	Y	N	
----	---	---	--

NOISE

NA	Y	N	
----	---	---	--

NA	Y	N	
----	---	---	--

WATER

NA	Y	N	
----	---	---	--

NA	Y	N	
----	---	---	--

SOIL

NA	Y	N	
----	---	---	--

NA	Y	N	
----	---	---	--

GREEN
HOUSE EFFECT

NA	Y	N	
----	---	---	--

NA	Y	N	
----	---	---	--

OZONE LAYER
DEPLETION

NA	Y	N	
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6.1.5 Please provide any additional information you may have on environmental friendliness of your product (Attach notes as Annex, if space is insufficient)

6 **6.2 Energy consumption / conservation / efficiency**

6.2.1 Compare the energy consumption / conservation / efficiency (qualitatively / quantitatively) with other similar products for the same end use, both in the manufacture of the product and the use of the product

Reduced energy inputs/consumption over other products which perform the same function

In manufacture					In Use			
NA	Y	N		ELECTRICITY	NA	Y	N	
NA	Y	N		COAL	NA	Y	N	
NA	Y	N		PETROLEUM BASED FUEL	NA	Y	N	

Others (Specify)

6.2.2 Conservation (compared to similar product for the same end use)

In manufacture					In use of the product			
NA	Y	N		WATER	NA	Y	N	
NA	Y	N		SOIL	NA	Y	N	

Others (Specify)