



**Bureau of Energy Efficiency (BEE)
Ministry of Power, Government of India**

Request for Proposal (RfP)

for

Empanelment of Laboratories for Check Testing

Under

Standards & Labeling Programme

(Phase III)

Last Date & Time for Receiving Bids – 23rd November, 2020 up-to 12.00 Noon

Completed Bids to be submitted to:

**Secretary
Bureau of Energy Efficiency
Government of India, Ministry of Power
4th Floor, Sewa Bhawan,
R.K. Puram
New Delhi – 110 066.**

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1.0 LETTER OF INVITATION

The Bureau of Energy Efficiency (BEE) invites proposals from interested and technically qualified NABL Accredited / BIS Recognized laboratories for “**Empanelment of Laboratories for Check Testing under Standards & Labeling (S&L) Programme of BEE (Phase III)**”.

Interested bidders may download the RfP document from the BEE website (www.beeindia.gov.in) from **21st October, 2020**.

The bid must be accompanied with a **refundable Earnest Money Deposit (EMD) amount of ₹25,000/- (₹Twenty-Five Thousand only)** and a **non-refundable Bid-document Processing fees of ₹5,000/- (₹Five Thousand only)** separately in the form of Demand Draft drawn in favor of “Bureau of Energy Efficiency, New Delhi”, payable at New Delhi.

The proposals / bids may be addressed to **Secretary, Bureau of Energy Efficiency, 4th Floor, Sewa Bhawan, R. K. Puram, and New Delhi – 110066**. The complete proposal/bid should reach on or before **12.00 Noon on 23rd November 2020**.

Pre-Bid Meeting, Opening of Technical and Financial Bids will be held through Video Conference (VC). Intended bidders shall create an account on Microsoft Teams and provide the email ID of the same to Project Engineer of BEE given under “General Information” of this RfP document within the defined time period.

BEE reserves the right to modify, amend, rescind, supplement or cancel this RfP document before finalizing the empanelment, without assigning any reason.

While this RfP document has been prepared in good faith, neither BEE nor its employees or advisors make any representation or warranty, expressed or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RfP document, even if any loss or damage is caused by any act or omission on their part.

Sd/-
Secretary, BEE

2.0 GENERAL INFORMATION

Availability of RfP document	21st October 2020 to 23rd November 2020
Date & Time for Pre-bid Meeting (Online Mode)	13th November at 1500 hours (Intended bidders to provide their email id used for Microsoft Teams by 12 th November 2020 (up-to 1600 hours) to Ms Neha Kumari, Project Engineer, BEE
Place for Submission of Proposal/Bid	Bureau of Energy Efficiency 4th floor, Sewa Bhawan, R K Puram 1, New Delhi – 110066 Tel No.: -91-11-26766700
Last date for Submission of Bids	23rd November 2020 (up-to 1200 hours)
Date & Time of Opening of Technical Bids (Online Mode)	BEE, Sewa Bhawan at 1500 hours on 25th November 2020
Date & Time of Opening of Financial Bids of Technically Qualified Bidders (Online Mode)	Technically Qualified Bidders will be informed by e-mail by at least 24 hours prior to the opening of financial bid
Contact Person for Queries / Clarification	Mr. Kamran Shaikh Joint Director Bureau of Energy Efficiency 4th floor, Sewa Bhawan, R K Puram 1, New Delhi – 110066 Email: kamran.shaikh@beeindia.gov.in Ms. Neha Kumari Project Engineer Bureau of Energy Efficiency 4th floor, Sewa Bhawan, R K Puram 1, New Delhi – 110066 Email: neha.kumari@beeindia.gov.in
Mode of Selection	Least Cost Selection Basis
Type of Proposal Required	Two Part Bid (Separately sealed Technical & Financial)
Proposal Should be submitted in following language	English
Earnest Money Deposit	₹ 25000/- (₹Twenty-Five Thousand only) in the form of DD drawn in favor of Bureau of Energy Efficiency and payable at New Delhi (Refundable)
Bid Processing fee	₹ 5000/- (₹Five Thousand only) in the form of DD drawn in favor of Bureau of Energy Efficiency and payable at New Delhi (Non-Refundable)
Bid Validity period	120 days after last date of bid submission

3.0 BACKGROUND INFORMATION

Energy Conservation Act, 2001

The Energy Conservation Act, 2001 (EC Act) forms the core of the legal framework put in place by India to promote energy efficiency and conservation. EC Act came into force with effect from March 1, 2002.

About BEE

The Government of India set up Bureau of Energy Efficiency (BEE) (www.beeindia.gov.in) on 1st March 2002 under the provisions of the EC Act, 2001. The mission of the BEE is to assist in developing policies and strategies with a thrust on self-regulation and market principles, within the overall framework of the EC Act, 2001 with the primary objective of reducing energy intensity of the Indian economy. This will be achieved with active participation of all stakeholders, resulting in accelerated and sustained adoption of energy efficiency in the industries, building, transport, institutions and appliances sectors.

Functions of BEE

BEE co-ordinates with designated consumers, designated agencies and other organization; recognizes, identifies and utilizes the existing resources and infrastructure, in performing the functions assigned to it under the E.C Act, 2001. The Act provides for regulatory and promotional functions. The major functions of BEE include:

- Develop and recommend to the Central Government the norms for processes and energy consumption standards.
- Develop and recommend to the Central Government minimum energy consumption standards and labeling design for equipment and appliances.
- Develop and recommend to the Central Govt. specific energy conservation building codes.
- Recommend the Central Government for notifying any user or class of users of energy as a designated consumer.
- Take necessary measures to create awareness and disseminate information for efficient use of energy and its conservation.

4.0 STANDARDS AND LABELING (S&L) PROGRAMME

The key objective of this programme is to provide the consumer an informed choice about the energy saving and thereby the cost saving potential of the relevant marketed appliance. The programme was launched on 18th May 2006 and is presently invoked for 26 equipment/appliances:

Sr. No.	Appliance	Sr. No.	Appliance
1	Room Air Conditioner (Fixed Speed)	14	Induction Motors
2	Room Air Conditioners (Variable Speed)	15	Agricultural Pump Sets
3	Room Air Conditioners (Cassette, Floor Standing Tower, Ceiling, Corner AC)	16	Washing Machines
4	Frost Free Refrigerators	17	Ballast (Electronic/Magnetic)
5	Direct Cool Refrigerators	18	Solid State Inverters
6	Tubular Fluorescent Lamps	19	Office Equipment (Printer, Copier, Scanner, MFD's)
7	Distribution Transformers	20	Diesel Engine Driven Mono-set Pumps for Agricultural Purposes
8	Stationary Storage Type Electric Water Heaters	21	Diesel Generator Sets
9	Colour Televisions	22	Microwave Ovens
10	LED Lamps	23	Solar Water Heaters
11	Ceiling Fans	24	Light Commercial Air Conditioners
12	Computer (Notebook /Laptops)	25	Deep Freezers
13	Domestic Liquefied Petroleum Gas (LPG) Stoves	26	Chillers

The first 10 appliances have been notified under mandatory labeling while the other appliances are presently under voluntary labeling phase. The energy efficiency labeling programs under BEE are intended to reduce the energy consumption of appliance without diminishing the services it provides to consumers.

The S&L program of BEE has advanced at a rapid pace. From preparatory to mandatory stage, testing has been identified as a key component of S&L program. Effective testing helps to assess the actual performance of appliances in the preparatory stage, thus helping in setting realistic standards to transform the market. Testing also plays a key role in voluntary/mandatory phase to ensure authentic compliance to standards.

Considering the growing penetration of S&L program in India and the increasing number of appliances for check testing, BEE has decided to empanel test laboratories to conduct check test as per the scheme parameters.

5.0 OBJECTIVE OF CHECK TESTING

Check Testing is one of the essential activities carried out by BEE as a verification process to establish compliance of the displayed appliances / equipment label particulars with respect to the prescribed energy performance standards. The check testing is done in two stages i.e., 1st Check Testing and 2nd Check Testing (for appliances failed in 1st Check Testing)

To increase the rate of check testing of Star labeled appliances, BEE is planning to carry out testing of appliances registered under S&L program in NABL accredited / BIS recognized, Government / Private laboratories (independent third-party labs) for all categories of Star labeled appliances.

6.0 TERMS OF REFERENCE

6.1 Scope of Work & Deliverables

- (i) Testing shall be done as per the test parameters defined in BEE Schedules / Gazette Notification (as applicable) for respective appliances/equipment stated in **Annexure - A** and as and when updated / revised.
- (ii) BEE shall provide appliance-wise sampling plan (auto generated on BEE's web portal) to its engaged IAMEs (Independent Agency for Monitoring and Evaluation) for conducting check testing of these samples
- (iii) The selected samples will be randomly picked from market by the IAME on behalf of BEE and subsequently transported to the assigned empaneled test laboratories.
- (iv) The samples will be delivered to the laboratory by IAME in packed condition and shall be opened within the laboratory premises in presence of lab and IAME officials.
- (v) On receipt of sample(s), laboratory shall check for presence of hologram (pasted by IAME before transportation of the sample), Star label on the sample, physical condition of the samples, availability of appliance manual of the sample and availability of sub-parts / assemblies / accessories of the sample (if they exist).
- (vi) Laboratory shall ensure to collect original purchase receipt or invoice from the transporter at the time of sample delivery.
- (vii) The entire verification & testing activities would be logged in S&L e-portal (www.beestarlabel.com) by the designated laboratory
- (viii) Laboratory shall be given access for submission of detailed sample information, testing dates, test conformance details, test reports, testing values, etc.
- (ix) BEE may provide training to lab personnel on functionality of Lab-specific web portal space on its portal regarding check testing.
- (x) Laboratory shall upload the details of samples in the web portal **within 2 days of receipt of samples** and ensure accuracy of uploaded information.

- (xi) Before the testing of the samples, if the appliance is not fit for testing, sample shall be discarded and a Sample Non-Conformance report shall be prepared jointly by IAME and laboratory clearly recording the reasons. The report shall be forwarded to BEE.
- (xii) All the tests for Check Testing should be performed in the presence of IAME's inspecting engineer. Laboratory shall coordinate with the IAME to depute the inspecting engineers as per the testing schedule.
- (xiii) Laboratory representative shall handover the original purchase receipt of the sample to the inspecting engineer of IAME who shall witness the test.
- (xiv) Check Testing reports shall be jointly signed by laboratory representative and inspecting engineer from IAME.
- (xv) Laboratory shall submit appliance-wise **monthly report** of First and Second Check Testing to BEE **within first week of every month**. The details should be provided as per format prescribed by BEE on portal or as directed by BEE.
- (xvi) In case laboratory is unable to initiate tests on receipt of samples within stipulated time periods, reasons being solely attributed to the laboratory, it shall inform BEE in writing or through an email to Nodal Officer of BEE. In such cases, BEE may re-allocate the samples to another lab. In such instance, the entire cost incurred for transportation to the laboratory by IAME & that of transportation to another lab including packing, transportation, any breakage, insurance, etc. shall be borne by the laboratory.
- (xvii) BEE reserves the right to alter any of the condition mentioned in this document or add more conditions in the scope of work while awarding the final work order.

6.2 Scope of Work for Check Testing

- (i) Due to importance of Check Testing, the laboratory shall provide professional, objective and impartial service and at all times hold BEE's interests paramount, without any consideration for future work. The laboratory is expected to carry out the testing with due diligence and in accordance with exceptional professional standards.
- (ii) In case of 1st Check Testing, laboratory shall perform testing of received samples **within 14 days from the date of receipt of sample** by the laboratory.
- (iii) In case the sample passes in 1st Check Testing, laboratory shall submit & upload the jointly signed reports on S&L portal **within 7 days from the completion of testing**.
- (iv) In case of failure of sample in 1st check testing, the laboratory shall submit & upload the jointly signed reports **within 7 days from completion of testing** and also communicate to Nodal Officer in BEE through email.
- (v) Laboratory shall give preference to 2nd Check Testing of the 2 samples over all its commitments to BEE and elsewhere.
- (vi) 2nd Check Testing shall be initiated **within 21 days of receipt of sample** by the laboratory.
- (vii) Laboratory shall inform BEE and IAME about the testing schedule in advance so that BEE/IAME can inform manufacturer to witness second test.
- (viii) In no case laboratory can delay 2nd check testing beyond 21 days of receipt of samples. If it is likely to get delayed, laboratory shall request BEE for extension stating justifiable reasons beyond its control **at least 7 days in advance** of concluding of 21 days period. BEE, at its discretion, may take decision on the request.
- (ix) Upon completion of 2nd Check Testing, laboratory shall upload the signed test reports on the portal **within 7 days of completion of tests** and also communicate to Nodal Officer in BEE through email.

6.3 Summary of Timelines

Activity	Timelines
Submission of Appliance-wise Monthly Reports of First and Second Check Testing BEE	Within first week of every month
Upload of sample details in web portal	Within 2 days of receipt of samples
Start of 1st Check Testing	Within 14 days from date of receipt of sample
Submission of Report of 1st Check Testing (If sample passes)	Within 7 days from completion of test
Submission of Report of 1st Check Testing (If sample fails)	Within 7 days from completion of test
Start of 2nd Check Testing	Within 21 days of receipt of samples
Submission of Report of 2nd Check Testing	Within 7 days from completion of test

7.0 PRE-QUALIFICATION CRITERIA

- (i) The bidder must be a **Laboratory** registered in India.
- (ii) Bidder must be NABL accredited / BIS recognized 3rd party laboratory for the appliances for which it is bidding. Validity of the NABL accreditation / BIS recognition must not be less than one year from the date of the submission of proposal.
- (iii) In-house NABL accredited / BIS recognized laboratories of manufacturers are not eligible to apply.
- (iv) Bidder should have been in the testing activity for not less than 12 months from the date of submission of proposal.
- (v) Bidder must have adequate skilled and non-skilled manpower to conduct the tests.
- (vi) Bidder must have adequate storage space to store the tested samples up-to the disposal time which may be one year from the date of receipt of the samples.
- (vii) Bidder must be registered with Goods and Services Tax (GST).
- (viii) Bidders registered under MSME are exempted from depositing EMD and Bid Processing Fees, subject to submission of copy of certificate from appropriate Authority to back its claim
- (ix) Bidder must not have been blacklisted by any Central / State Government institutions / departments / PSUs and there has been no litigation with any Government department on account of services. The bid will be rejected straightway without assigning any reasons if Bidder is involved in any criminal cases, declared black listed by any Govt. /Semi govt. department/agencies, etc.

8.0 INSTRUCTIONS

(A) Submission of Bids

- (i) While preparing the technical proposal, the bidder is expected to examine the annexure for list of appliances along with applicable reference standards.
- (ii) Bidder shall prepare and submit, in original, each of the documents clearly mentioning the following:
Envelope 1: EMD & Bid Processing Fees
Envelope 2: Technical Proposal
Envelope 3: Financial Bid
- (iii) All the 3 envelopes should be sealed and clearly marked "*Empanelment of Laboratories for S&L - Phase III*"
(Envelopes should be marked as EMD & Bid Processing Fees, Technical Proposal and Financial Bid respectively)

- (iv) These 3 sealed envelopes should be put in another envelope, sealed, super-scribed "*Proposal for Empanelment of Laboratories under BEE S&L Programme Phase-III*" and addressed to Secretary, BEE.
- (v) Under no circumstances, any bid received by BEE after **1200 hours** of **23rd November 2020** will not be accepted. Hence, bidders are advised to submit their bids before the stated last date and time.
- (vi) Bidder shall properly align all the required eligibility documents and mark page numbers. The same should be stated in **Form 1**. Failing this the bid shall be technically rejected and not considered for financial evaluation further.
- (vii) All copies of certificates or documents required as per the RfP should be signed and stamped.

(B) Financial Bid Opening

- (i) Preliminary scrutiny of the technical proposal documents will be made to determine whether the applications are complete, whether the documents have been properly signed, and whether the bids are generally in format. Proposals not conforming to such preliminary requirements will be rejected prima facie.
- (ii) The Financial Bid of the technically qualified bidder will be opened through Video Conferencing. **The technically qualified bidder may participate through VC in the Price Bid opening.**
- (iii) Bidder shall submit the price bid clearly indicating the cost of testing per sample in ₹ (INR) (excluding GST).
- (iv) Amount indicated in the financial proposal shall be without any condition attached or subjected to any assumption and shall be final and binding. In case any assumption or condition is indicated in the financial proposal, it shall be considered non-responsive and rejected.
- (v) The bids shall be compared on the basis of total lump-sum firm bid price (excluding taxes) for the entire scope of work as defined in the RfP document.
- (vi) Evaluated bid prices of all the bidders shall be compared among themselves to determine the lowest evaluated bid and as a result of the comparison, the lowest bidder may be considered for award of contract.
- (vii) L1 bidder would be selected based on Appliance-wise Check Testing Cost Per Sample (Excluding GST)**

(C) Other Terms & Conditions

- (i) Considering the importance of timely completion of Check Testing, **BEE reserves the right to counter offer L1 rates to L2 and L3 bidders.**
- (ii) In such case, on acceptance of L1 rates by L2 & L3 bidders, the quantity of work shall be distributed among **L1, L2 and L3 bidders in the ratio 50:30:20.**
- (iii) In cases where **only one bidder (among L2 & L3) accepts L1 rates**, the allocation of quantity of the **order may go up to 70% in favor of L1 bidder.**
- (iv) The contract would be applicable for a period of 12 months from the date of issue of Letter of Award. The contract may be extended for a period of 12 months on mutual agreement and on same terms and conditions.
- (v) The successful bidder (laboratory) will have to enter an agreement on ₹100/- Non-Judicial stamp paper within 10 days after receive of Letter of Award.
- (vi) In case the bidder who has been awarded the contract refuses to accept the contract issued by the BEE or fails to respond to the letter of award of work by BEE in 7 days' time or backs out after acceptance, then the EMD paid by the bidder will be forfeited and further action would be taken, as deemed fit.
- (vii) If the bidder violates any of the conditions prescribed in RfP document, the EMD shall be forfeited.
- (viii) The EMD of unsuccessful bidder/s would be returned at the earliest. The EMD of successful bidder/s would be returned after completion of contract or any extension granted. Under no circumstances, BEE is liable to pay interest on the EMD.
- (ix) In the event, if the successful bidder is found performing tests below the set-out quality standards as stated in work order, it shall be lawful for BEE, in its discretion, to cancel empanelment and / or take suitable action as decided by competent authority of BEE.

- (x) In the event of finding of any error or defect, reasons being solely attributed to the laboratory, at any time after the tests, the lab shall be bound to, if called upon to do so, to rectify such error or defect, at its own cost, to the satisfaction of and within the time fixed by the BEE and as directed by BEE. The competent Authority /appellate in this regard shall be DG, BEE.
- (xi) BEE will empanel the successful laboratories in accordance with the method of evaluation set by BEE and shall be considered as the final result.
- (xii) BEE reserves the right to reject any or all the bids received at its discretion, without assigning any reason whatsoever and no costs would be paid to bidder for the same.
- (xiii) In case of any dispute during process of empanelment / verification / check testing in the laboratory, the decision of DG, BEE will be considered final.
- (xiv) Acceptance of proposal rests with DG, BEE. No reasons will be given for acceptance or rejection of the contract thereof.
- (xv) BEE reserves the right to cancel this RfP before/after the contract is awarded. Any / all proposals may be rejected in whole or in part when it is in the best interest of BEE.
- (xvi) BEE may, on its own or on receipt of a complaint regarding any error or inconsistency or misrepresentation, within 6 months from date of submission of the test report, initiate action as deemed appropriate for review of the test report. Any cost associated for remedial action shall be borne by the laboratory.
- (xvii) If for any reason the laboratory, after its empanelment is suspending or stopping its services for any anticipated/unforeseen reason, shall be intimated to BEE at least 30 days in advance.
- (xviii) Laboratories shall seek prior permission of BEE before performing any destructive test on the samples assigned to it.

(D) Definition of Terms

- (i) "Contract" means the agreement entered into by the BEE and successful bidder (laboratory) as per the contract agreement signed by the parties, including all attachments and appendices there to and all documents incorporated by reference therein.
- (ii) "Owner" means Bureau of Energy Efficiency (BEE), 4th Floor, Sewa Bhawan, R. K. Puram, New Delhi – 110 066 and shall include their legal representatives, successors and assigns.
- (iii) "BEE" means the Bureau of Energy Efficiency (BEE), a statutory body under Ministry of Power, Government of India having its office at 4th Floor, Sewa Bhawan, R.K. Puram, New Delhi – 110 066.
- (iv) The "Laboratory" shall mean the bidder whose both technical and price bid will be accepted by the BEE for award of the Work and shall include such successful bidder's legal representatives, successors and permitted assignees.
- (v) The term "Contract Price" shall mean the lump-sum firm price quoted by the laboratory in its price bid with additions and/or deletions as may be agreed and incorporated in the letter of award, for the entire scope of Work.
- (vi) "Notification of Award of Contract / Letter of Award" shall mean the official notice issued by the BEE notifying the laboratory that his bid has been accepted.
- (vii) "Date of Contract" shall mean the date on which notification of award of contract / letter of award has been issued.
- (viii) "Work" shall mean the work defined in Terms of Reference.

(E) Payment Terms and Schedule

- (i) The laboratory shall not receive any other remuneration in connection with the work except as provided in the RfP document.
- (ii) Payment authority will be Bureau of Energy Efficiency.
- (iii) The Laboratory shall raise the invoice in favor of "The Secretary, Bureau of Energy Efficiency, 4th Floor, Sewa Bhawan, Sector – 1, R. K. Puram, New Delhi".
- (iv) The payment will be considered on acceptance of reports and penalty deduction (if any). Laboratory shall submit the original invoice along with the test reports of tested appliances of preceding month within first week of succeeding month to BEE for consideration. Any invoice submitted after the first week would be considered for processing in the first of week of coming month.

- (v) For any retesting of sample(s) in case of test reports not in conformity to BEE's requirements, the reason being solely attributed to deficiency in services of the laboratory, no payment shall be made for retesting and decision of DG, BEE shall be binding.
- (vi) In case of a default in adhering to the timelines specified or any extension granted, **Liquidated Damages** to the extent of 1% of the incomplete work per week or part thereof, subject to a maximum of 10% of the incomplete work, would be levied.
- (vii) For any delays beyond 30 days, BEE reserves the right to terminate the contract without assigning any reason(s) or any compensation.

(F) Conflict of Interest

The laboratory empanelled for the work will have to maintain the confidentiality of the test information. In no case, laboratory is allowed to use the data or share the information with a third party. BEE shall hold the copyrights over any of the data collected or compiled in the course of testing.

(G) Force Majeure

Shall mean and be limited to the following:

War/hostilities, Riot or Civil commotion, Earthquake, flood, tempest, lightening or other natural physical disaster and restrictions imposed by the Government or other statutory bodies which prevents or delays the execution of the contract by laboratory.

In the event of any force majeure cause, laboratory or BEE shall not be liable for delays in performing their obligations under this contract and relevant dates may be extended, for a period not exceeding the period of delay attributable to the causes of force majeure. Neither BEE nor laboratory shall be liable to pay extra costs provided it is mutually established that force majeure conditions did actually exist. The laboratory shall at all times, indemnify and keep indemnified, BEE and its officer's servants and agents, from and against all/any claims whatsoever, arising as a consequence of, or in the course of execution of the work (including but not limited to property loss and damage, personal accident, injury or death of or to property or person, of the consultant or any JV partner or sub-contractor, and / or the servants or agents of the laboratory, or any other JV partner or any sub contractor and / or of the BEE).

(H) Disclaimer

BEE and/or its officers, employees disclaim all liability from any loss or damage, whether foreseeable or not, suffered by any person acting on or refraining from acting because of any information including statements, information, forecasts, estimates or projections contained in this document or conduct ancillary to it whether or not the loss or damage arises in connection with any omission, negligence, default, lack of care or misrepresentation on the part of BEE and/or any of its officers, employees.

(I) Amendment of RFP

At any time prior to the last date for receipt of bids, BEE, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the RfP document through an amendment. In order to provide prospective bidders reasonable time in which to take the amendment into account in preparing their bids, BEE may, at its discretion, extend the last date for the receipt of Bids and/or make other changes in the requirements set out in the Invitation for RfP.

(J) Resolution of Disputes

- (i) BEE and the laboratory shall make effort to resolve amicably by direct informal negotiations on any disagreement or dispute arising in connection with the contract.
- (ii) The decision of Director General, BEE, shall be final and binding on both the parties.
- (iii) For any arbitration proceedings, laboratory will pay the cost and expenses of arbitration proceedings & shall be held at Delhi.
- (iv) The laws applicable to the contract shall be the laws in force in India. The courts of Delhi only shall have exclusive jurisdiction in all matters arising under this contract.

9.0 RfP FORMS

The RfP must be submitted with documents as stated in the RfP along with the following forms:

- a) Form 1: Summary of Documents Submitted.
- b) Form 2: Laboratory Details
- c) Form 3: Declaration of Lab Not Black-Listed
- d) Form 4: Citation of Past Experience in Testing
- e) Form 5: Check Testing Information
- f) Form 6: Details of NABL Accreditation / BIS Recognition

Form 1: Summary of Document Submitted

Sr. No.	Requirement	Document Required	Page Number
1	Bidder must be a Laboratory registered in India.	Copy of Certificate of Incorporation issued by relevant authority in India	
2	Bidder must be registered with Goods and Services Tax (GST)	Copy of Certificate issued by relevant GST Authority	
3	Bidder registered as MSME	Copy of certificate from appropriate authority	
4	Laboratory Details	Form - 2	
5	Declaration - Laboratory not black-listed	Form - 3	
6	Declaration - Past experience in testing	Form - 4	
7	Declaration - Check testing information	Form - 5	
8	Details of NABL Accreditation / BIS Recognition	Form - 6	

Form 2: Laboratory Details

(Typed on Laboratory Letter head)

Name of Laboratory	
Details of Laboratory <ul style="list-style-type: none">• Address of Laboratory• Website:• Year of Establishment• Total Number of Staff• Under any Ministry / State Govt. Department (Yes/No) If Yes, please state details	
Details Chief / Head of Laboratory: <ul style="list-style-type: none">• Name• Designation• E-mail• Mobile Number	
Details of Authorized Persons of Lab for Communication <u>1st Person</u> <ul style="list-style-type: none">• Name• Designation• E-mail• Contact Number <u>2nd Person</u> <ul style="list-style-type: none">• Name• Designation• E-mail• Contact Number	

Form 3: Format for Declaration Laboratory is not black-listed by any Government Agency in India

DECLARATION OF NOT BEING BLACK LISTED BY ANY GOVERNMENT AGENCY / DEPARTMENT

(To be submitted on Laboratory Letterhead)

To,
Secretary, BEE
New Delhi.

This is to certify that M/s (*Name of Laboratory*) have not been blacklisted by any Central / State Government institutions / departments / PSUs and there has been no litigation with any Government department on account of services.

M/s (*Name of Laboratory*) is involved in any criminal cases, declared black listed by any Govt./Semi govt. department/agencies, etc

If at any stage of bidding or after award of work it is found that M/s (*Name of Laboratory*) has hidden any such information, BEE may take suitable action against M/s (*Name of Laboratory*)

Date:
Place:

(Signature)

.....
(Name of Authorized Official)
(Designation)
(Laboratory Seal)

Form 4: Format for Past Experience in Testing cited Clause 7(iv)

DECLARATION OF PAST EXPERIENCE IN TESTING

(Typed on Laboratory Letterhead)
(Only for appliance for which bidding)

To,
Secretary, BEE
New Delhi.

This is to certify that M/s (*Name of Laboratory*) has been doing testing as per IS Standards for the following appliance:

Sr. No.	Appliance	BIS / IEC Standards	Past Experience in Testing as per applicable BIS / IEC Standard (in Years)

(Add more rows as per requirement)

This is true to the best of my knowledge and belief.

Date:
Place:

(Signature)

.....
(Name of Authorized Official)
(Designation)
(Laboratory Seal)

Form 5: Format for Check Testing Information

DECLARATION FOR CHECK TESTING INFORMATION

(Typed on Laboratory Letterhead)
(Only for appliance for which bidding)

To,
Secretary, BEE
New Delhi.

This is to certify that:

(i) Below mentioned number of skilled and non skilled people shall be engaged as per the check testing requirements of BEE.

Appliance	Manpower			
	Skilled (Nos.)	Qualification	Un-Skilled (Nos.)	Qualification

(ii) Below are the stated testing capacities of laboratory (appliances-wise) per year:

Appliance	Capacity of Sample Testing Per Year (Nos.)

(Add more rows as per requirement)

(iii) We have adequate spare space to store the tested samples up to the disposal time which may be one year from date of receipt of sample.

This is true to the best of my knowledge and belief.

Date:
Place:

(Signature)

.....
(Name of Authorized Official)
(Designation)
(Laboratory Seal)

Form 6: Format for NABL Accreditation / BIS Recognition

NABL ACCREDITATION / BIS RECOGNITION

(Typed on Laboratory Letterhead)
(Only for appliance for which bidding)

To,
Secretary, BEE
New Delhi.

Subject: **NABL Accreditation / BIS Recognition Details**

This is to certify that M/s (*Name of Laboratory*) is NABL accredited/BIS recognized and is eligible to conduct check testing of BEE as per requirements of BEE under Standards and Labeling program. Details of Accreditation are as stated below:

Accreditation Standard	NABL Certificate Number / BIS Recognition Number	Validity (Date)	
		To	From

(Attach signed & stamped copy of each document)

(Add more rows as per requirement)

This is true to the best of my knowledge and belief.

Date:
Place:

(Signature)

.....
(Name of Authorized Official)
(Designation)
(Laboratory Seal)

10.0 ANNEXURE - A

For information on various Notifications and Schedules, please visit: www.beestarlabel.com

Sr. No.	Appliance	Scope of Work	Standards	Schedule No.
1	Ballast - Electronic	<ol style="list-style-type: none"> Total Circuit Power Total Lamp Power Ballast efficiencies THD THD with Capacitor Power factor Power Factor with capacitor Designed life in burning hours at defined ambient temperature 	IS 13021 (Part 1 & 2): 1991 for electronic ballasts	15
2	Ballast - Electromagnetic	<ol style="list-style-type: none"> Total Circuit Power Total Lamp Power Ballast efficiencies THD THD with Capacitor Power factor Power Factor with capacitor Designed life in burning hours at defined ambient temperature 	IS 1534 (Part 1): 1977 for electro-magnetic ballasts	15
3	Ceiling Fans	<ol style="list-style-type: none"> Air delivery & Service Value Fan speed and power input Sweep (mm) 	IS 374 :2019	8
4	Direct Cool Refrigerator	<ol style="list-style-type: none"> Energy consumption Volume measurement test (storage and gross) Pull down test Operating Temperature Performance Test 	IS 1476 (1): 2000	5
5	Frost Free Refrigerator	<ol style="list-style-type: none"> Energy consumption Volume measurement test (storage and gross) Pull down test Operating Temperature Performance Test 	IS 15750: 2006	1
6	Colour Television	<ol style="list-style-type: none"> Standby mode Power Consumption On mode Power Consumption Maximum Annual Energy Consumption (kWh/year) Picture level adjustment 	IEC 62301 Ed. 2.0 for Standby Mode & IEC 62087: 2015 Ed. 1 Part 3.0 for On Mode	8
7	Diesel Engine Driven Mono-set Pumps for Agricultural Purposes	<ol style="list-style-type: none"> Measurement of nominal volume rate of flow Nominal head Fuel consumption in g/hr of the pump set at the nominal duty point Specific Fuel Consumption (SFC) in g/h/m³/s 	IS 11501:1986 IS 11170 :1985 IS 11346 : 2002	13

Sr. No.	Appliance	Scope of Work	Standards	Schedule No.
8	Distribution Transformer	<ol style="list-style-type: none"> 1. Measurement of winding resistance 2. Measurement of impedance voltage / short circuit impedance and load loss (at 50% & 100%) 3. Measurement of no load loss and current 4. Temperature rise test 5. Short-circuit test 6. Total losses (at 50% & 100%) 	IS 1180 (Part 1) (with all amendment as on date), IS 2026 (Part 1 & 2) and IS 2500 Part 1) : 2000	4
9	Induction Motor	<ol style="list-style-type: none"> 1. Measurement of winding resistance 2. No load test at rated voltage (determine input current power and speed) and at different voltages to compute winding losses 3. Full load test 4. Efficiency at 75% and 100% load 5. Efficiency Class (E1, E2 & E3) 	IS 12615:2011; IS 4029 - 1967; IS 325 : 1996 IS / IEC 60034-2-1 / IS15999-2011	6
10	Laptop / Notebooks Computer	<ol style="list-style-type: none"> 1. Power consumption levels for compliance with the Off, Sleep and Idle levels. 2. Typical Energy Consumption (TEC) as per the equation in schedule 	ENERGY STAR Test Procedure for Determining the Power Use of Computers	14
11	LED Lamps	<ol style="list-style-type: none"> 1. Power Consumption (Watts) 2. Initial Luminous flux (Lumens) 3. Luminous flux at 1000 hours 4. Luminous flux at 6000 hours 5. Life (hours) 6. Luminous Efficacy (Lumen/Watt) 7. Power factor 8. CRI 9. Harmonics 	IS 16102 (Part 2): 2012	10
12	Liquefied Petroleum Gas Stoves / Burner	<ol style="list-style-type: none"> 1. Thermal efficiency 2. Total gas consumption 	IS 4246 : 2002	9
13	Office Equipment	<ol style="list-style-type: none"> 1. Standby Mode Power Consumption (Lowest power among the Ready, Sleep, Auto-off, off mode) for OM products 2. Typical Energy Consumption for TEC products 	ENERGY STAR Program IEC 62301	16
14	Solid State Inverter	<ol style="list-style-type: none"> 1. No-Load Test 2. Output Power Factor 3. Total Harmonic Distortion 4. Capacity Test 5. Efficiency Range (DC to AC) 	IS 13314:1992	17
15	Microwave Ovens	<ol style="list-style-type: none"> 1. Microwave Function Efficiency 2. Energy Consumption 3. Power Consumption in Standby Mode 	IEC 60705 with all amendments IEC 62301	22

Sr. No.	Appliance	Scope of Work	Standards	Schedule No.
16	Submersible Pump Set	1. Nominal Volume rate of flow 2. Nominal Head 3. Overall Efficiency 4. Performance Curve	IS 8034: 2018, IS 11346: 2004	7
17	Open well Submersible Pump - Sets	1. Nominal Volume rate of flow 2. Nominal Head 3. Overall Efficiency 4. Performance Curve	IS 14220:1994, IS 11346: 2004	7
18	Mono Set Pump - Sets	1. Nominal Volume rate of flow 2. Nominal Head 3. Overall Efficiency 4. Performance Curve	IS 9079: 2018 , IS 11346: 2004	7
19	Room Air Conditioner Fixed Speed	1. Cooling capacity 2. Power consumption 3. Max operating condition test	IS 1391 (Part 1): 2017 IS 1391 (Part 2): 2018	3, 3A
20	Room Air Conditioner Variable Speed	1. Cooling capacity (50 & 100 % load) 2. Power consumption (50 & 100 % load) 3. Rated Frequency (50 & 100% load) 4. Max operating condition test	IS 1391 (Part 1): 2017 IS 1391 (Part 2): 2018 ISO 16358 (only reference document)	19
21	Tubular Fluorescent Lamp	1. Visual examination and marking 2. Lamp & Cap dimension 3. Torsion test 4. IR measurement test 5. Burning test 6. Starting test 7. Lamp elect 8. Lumen characteristics 9. Colour characteristics 10. Lumen maintenance & life test (at 100, 2000 hrs) 11. Lumen maintenance& life test (at 3500 hrs)	IS 2418 (Part I), (Part II), (Part III) and Part (IV) – 1977	2
22	Washing Machine	1. Energy and Water consumption 2. Determination of Wash Performance 3. Water Extraction Efficiency 4. Rinsing efficiency 5. Water extraction performance	IS 14155 IEC 60456, IS 302:2:7	12
23	Water Heater / Electric Geyser	1. Standing losses (kwh/24hrs/45C) 2. Rated/Input Power 3. Rated Capacity (litres)	IS 2082:2018 (with all amendment as on date) IS 302-2-21	10
24	Solar water heater	1. System efficiency averaged over the day test period 2. Absorptivity of selective coating 3. Emissivity of selective coating	IS16368:2015	23

Sr. No.	Appliance	Scope of Work	Standards	Schedule No.
25	Light Commercial Air Conditioner	<ol style="list-style-type: none"> 1. Cooling capacity (50 & 100 % load) 2. Power consumption (50 & 100 % load) 3. Rated Frequency (50 & 100% load) 4. Max operating condition test 	IS 1391 (Part 2): 2018 with all amendments	24
26	Chillers	<ol style="list-style-type: none"> 1. Cooling capacity (25%, 50%, 75% & 100 % load) 2. Power consumption (25%, 50%, 75% & 100 % load) 3. COP (25%, 50%, 75% & 100% load) 4. ISEER 5. Construction and Safety requirements (as per clause 5.1 and 5.2 of IS 16590) 	IS 16590 with all amendments	21
27	Deep Freezer	<ol style="list-style-type: none"> 1. Pull down time 2. No load Energy consumption 3. Storage volume 	IS 7872: 2020 with all amendments	25

11.0 PRICE BID FORMAT

(Typed on Bidder's Letterhead)

To,

Secretary
Bureau of Energy Efficiency
Government of India, Ministry of Power
4th Floor, Sewa Bhawan, R.K. Puram, New Delhi – 110 066

Subject: **Empanelment with BEE as Check Testing Laboratory & Price Bid for Check Testing of Various Appliances as per Scope of Work of BEE**

- We hereby express our interest for empaneling with BEE as Check Testing Laboratory on the terms and conditions stated in RfP
- Our price bid for Appliance-wise Check Testing as per scope of work of BEE is stated below:

Sr. No.	Appliance	* Check Testing Cost (Excluding GST) (₹ Per Sample)	Applicable GST (%) (₹ Per Sample)	Total Check Testing Cost (Including GST) (₹ Per Sample)

Date: (Signature)

Place: (Name of Authorized Official).....
(Designation)
(Company Seal)

***L1 bidder would be selected based on Appliance-wise Check Testing Cost Per Sample (Excluding GST)**