



# **SITUATIONAL ANALYSIS OF COMMERCIAL BUILDINGS IN INDIA**

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**Prepared for:**

**BUREAU OF ENERGY EFFICIENCY,  
MINISTRY OF POWER, GOVERNMENT OF INDIA**

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- State Electricity Distribution Companies
- Central Public Works Department
- State Public Works Departments
- Ministry of Environment and Forest
- CII-Green Business Council

## ABBREVIATION USED

ECBC	Energy Conservation Building Code
MoEF	Ministry of Environment & Forest
TERI	The Energy Research Institute
LEED	Leadership in Energy and Environmental Design
BEE	Bureau of Energy Efficiency
ESCO	Energy Service Company
DISCOM	Distribution Company
KW	Kilowatt
KVA	Kilovolt ampere

## UNIT CONVERSIONS

### Energy Unit Conversion

1 kW	= 1.25 kVA
1 kVA	= 0.8 kW
1 Unit	=1 Kilo Watt Hour

(Source: [http://www.dieselserviceandsupply.com/Power\\_Calculator.aspx](http://www.dieselserviceandsupply.com/Power_Calculator.aspx))

### Area Unit Conversion

1 sq meter	=10.76391 square foot
1 Acre	=43560 square foot

## **EXECUTIVE SUMMARY**

## EXECUTIVE SUMMARY

### Project Setting and Overview

This study underscores the opportunity in energy efficiency in our commercial and institutional buildings. An improved energy efficiency scenario translates into reduced operative costs at each building, as well as translates into a reduced demand for the same operative function provided by the built facilities. It can be assessed that the energy cost ranges between 10-15% of operating income in commercial building. Further, energy consumption studies conducted in several office buildings, hotels and hospitals indicate an energy savings potential of 20-50 % in end-uses such as lighting, ventilation and cooling, building services operation, etc. This represents a vast, yet untapped, saving potential attributable mainly to lack of an effective delivery mechanism for energy efficiency with tangible financial benefit to the individual as well as the nation.

This study on “Situational Analysis of Commercial Buildings” represents a concerted attempt to establish a **baseline database on the current energy usage** in public and commercial buildings across all the states and climatic zones. With this information it is possible to begin to assess the potential for energy efficiency, plan strategies to ensure more energy efficient urban development, as well as anticipate the benefit from appropriate interventions in existing buildings. Taken as a starting point, this study establishes a **database of 1,062 buildings**. While the information collected may not be adequate for detailed analysis, it does establish that a wide variation in energy consumption is reflective of a larger number of underlying variables that would need to be documented in more detail to facilitate better analysis and correlation between use patterns and energy consumption.

### Project Methodology and Challenges Faced

The data collection methodology for this project activity was rather straightforward, requiring interaction at each state with key governmental agencies (mainly State Electricity Departments) and electricity supply companies. The challenges faced in this data collection was the varying level of (dis)organization of the data, lack of formal procedure for reporting, assimilating, archiving and sharing this data, lack of ownership and responsibility for documentation of this data, and generally the limited understanding of the importance of this task in the context of larger national opportunity for improving energy availability through more efficient utilization of the same. Further, the unwillingness on part of some electricity supply companies to provide relevant data, despite formal governmental requests highlighted an interesting issue of data ownership and the absence of established procedure to facilitate routine availability of such data as required for energy efficiency studies.

While the project team was able to overcome these challenges through sustained interactions and support from Bureau of Energy Efficiency Officials, the lack of data such as the “covered area” of governmental buildings, or the absence on detailed information on use patterns and equipment within the facilities, limits the accuracy of

the analysis. A follow-on activity to augment this base line data is required to provide additional information to facilitate a more in-depth analysis of the baseline data.

The challenges faced in collection of the data present an opportunity in developing normative procedures for comprehensive documentation, information management, and analysis of data in a routine manner. Through the participation of public and private power distribution companies (DISCOMS), as well as State Renewable Energy Development Authorities, this aspect could be constructively addressed.

Through the process of moving from state to state to collect the information on building level information collection, it was observed that, with a few exceptions, the momentum on the part of state agencies was generally lacking. Consequently, this area in itself represents a tremendous opportunity for improvement in developing and implementing energy efficiency programs.

### **Details on Situational Analysis of Commercial Buildings**

This database developed now comprises of information on electricity consumption patterns in (a) Government buildings in all state capitals having a connected load of more than 500KW or a contract demand of more than 600KVA, (b) Non-ECBC compliant commercial buildings in each of the 5 climatic zones of the country, completed during 2006-08 and having a connected load of more than 500KW or a contract demand of more than 600KVA, (c) Green Building Council certified buildings, and (d) MoEF cleared commercial buildings.

The *situational analysis* addresses the quantitative aspects of energy consumption pattern in the buildings. The requisite information, as per BEE requirements, was collected from each of the state capitals, by individually studying and documenting specific buildings, by using information on LEED certified buildings provided by the CII-Green Business Council, and from reviewing building approval applications available in the offices of MoEF.

*Collecting data* of such magnitude was a time consuming and onerous activity involving personal interactions with government officials, private organizations responsible for operation and maintenance of commercial buildings, as well as companies handling the electricity billing process of buildings in states. Respective nodal offices of electricity departments were approached for collection of energy consumption data. Wherever possible, hard copy and electronic copies of data have been collected to ensure authenticity of data. Given the effort and limited success in obtaining information on governmental buildings, suggestions have been presented in the report to simplify the data collection process for such activities in the future.

*Analysis of the electricity consumption pattern* in public as well as commercial building reveals a disparate range that defies easy interpretation of a mean or normatively acceptable value. This is as a result of variations in the information available for each work cluster for which data has been collected, making it difficult to have a collective quantitative analysis on energy consumption patterns. It is however meaningful to assess each information cluster individually to develop an understanding of the current scenario and identify directions for future improvements in energy efficiency.

## SUMMARY OF ELECTRICITY CONSUMPTION PATTERN

**Work Cluster A:** Information on **711 governmental buildings** under this work cluster has been collected and documented across all states of India. In visiting the state capitals for collection of information on governmental buildings it has however been observed that most buildings are marked by inefficient energy practices, especially in their operation and maintenance. This assumes special importance in the face of image of the government as a role model that prompts other to imitate its practice. Put succinctly energy conservation measures needs to be first implemented in government buildings before the commercial sector can be persuaded to practice it.

Information on energy consumption in governmental buildings could not be uniformly converted to units/sq.ft as desirable due to the absence of information on “total covered area” for most governmental buildings. Where the “covered area” for the building was not available, an indirect estimation of covered area of each building was derived by applying an estimated contract demand of 5 watt per sq.ft., an assumption used in normative architectural practice<sup>1</sup>.

An assessed range based on the database, for governmental buildings across different climatic zones ranged between 5 to 70 units/ sq.ft in the warm-humid (150 buildings surveyed), composite (435 buildings surveyed), and temperate (87 buildings surveyed) climatic zones. The estimated range lies between 5 to 58 units/sq.ft (21 buildings surveyed) in the hot-dry climatic zone and between 5 to 9 units/sq.ft (18 buildings surveyed) in the cold climatic zone<sup>2</sup>. The opportunity for energy saving in governmental buildings is evidenced from this range in their annual energy consumption.

Table: Energy Consumption in Governmental Buildings

Climatic Zone	Annual Energy Consumption * (units/ sq ft)	No. of Buildings Surveyed
Warm Humid	5-70	150
Composite	5-70	435
Temperate	5-70	87
Hot - dry	5-58	21
Cold	5-9	18

**Work Cluster B:** A comparative analysis of energy consumption per unit area of different categories of **Non-ECBC compliant buildings** in 5 climatic zones was attempted but found inconclusive based on the limited parameters for which data was collected under this study. To have more meaningful analysis it is necessary to identify

<sup>1</sup> The applied approximation of 5 watt/ sq.ft to relate contract demand and building area may not be suitable to governmental buildings in cold climatic zones as the seasonal heating requirement met by individual room heaters does not get suitably accounted for.

<sup>2</sup> Estimated values for annual energy consumption below 5 units/sq.ft for most climatic zones are not included as they represent possible outliers resulting from variable use patterns or the use of confirmed building area that makes the computations inconsistent for analysis with other buildings.



the variables contributing to the energy consumption in the buildings. Further, it has been determined that in addition to metered electricity consumption there are other locally installed energy backup systems of Generators and Invertors meeting the requirements of the identified buildings.

This study of a total of **40 buildings** was across different use types of Office Buildings, Shopping Malls, IT Parks, Hotels, and Hospitals. Factors like multiple mixed use activities within the same building e.g. some shopping malls had a Cineplex and others were shopping-cum-office complexes, had a distinct impact on its energy consumption pattern. Further divergence in energy consumption levels across office buildings results from different extent of air-conditioning in buildings under this category, equipment use, fenestration, and construction materials. It was therefore felt that this database was not appropriate to generate specific statistical inferences of an average energy consumption figure by use pattern. An assessed range based on the database, by use pattern across different climatic zones ranged from 8.14 to 18.55 units/ sq. ft for office space, 11.87 to 28.43 units/ sq.ft for shopping malls, 3.62 to 10.08 units/ sq.ft for IT parks, 30.13 to 37.20 for hotels, and approx. 11.70 units/ sq.ft for hospitals. The average energy consumption figures summarized in the table below, by use category, should therefore be used with caution for these underlying variations.

Climatic Zone →	Temperate	Warm and Humid	Composite	Hot And Dry
Category ↓	(average energy consumption given in units/ sq.ft)			
Office	18.55 (5)	15.36	8.68	8.14
Shopping Mall	28.43 (1)	15.31	27.96	11.87
IT Park	10.08 (4)	3.62	45.14	NA
Hotel	NA	30.13	NA	37.20
Hospital	NA	NA	NA	11.70

Note:

a. IT Park in temperate and W&H zone were not fully functional

b. Shopping Mall in W&H zone was not full AC

NA: No building of category was available in the buildings surveyed.

**Work Cluster C:** With a very limited number (**11 buildings**) of **Green Building Council certified buildings**, the analysis of the data could not meaningfully present any useful statistic. The information available reflects a wide divergence of energy consumption patterns ranging from 3 units/ sq.ft to 26 units/ sq.ft. The average energy consumption for GBC certified office buildings is 12.8 units/sq.ft (with a representative sample of 7 office buildings).

**Work Cluster D:** Information on **MoEF cleared commercial buildings** presents an extremely wide range on anticipated energy consumption. This is in most part due to the information on energy being limited to data on “sanctioned load”, not actual energy consumption. Information on **317 buildings** has been collected under this work cluster. A climatic zone wise, use pattern segregated analysis of “anticipated” energy consumption based on this information is presented in Annexure E: MoEF Cleared Buildings Survey Details.

*Table: Listing of Number of MoEF Cleared Commercial Buildings by Climatic Zone*

Serial No	Climate Zone	No. of Commercial Buildings Cleared
1	Warm and Humid,	144
2	Composite	115
3	Temperate	54
4	Hot & Dry	4
TOTAL		317

\* No data available for buildings in Climate Zone-Cold

## CONCLUSION

Comparing the variation in the range of energy consumption levels of governmental buildings (from 5 to 70 units/sq.ft) with the average energy consumption level of GBC certified buildings (12.8 units/sq.ft), there appears to be significant potential for energy savings in governmental buildings alone. This represents a relatively tangible cluster within which to achieve significant energy savings to bring these buildings closer to energy consumption levels of GBC certified buildings.

Working towards a target of approximately 12 units/sq.ft as comparable to GBC certified buildings, there is a potential to save over 1,200,000 mWh in electricity consumed. This represents a significant opportunity to target, with relatively quick gains to be made by addressing the energy consumption patterns in Governmental buildings.

While this study definitely establishes a database that will be used as the starting point for related activities on documentation of energy consumption patterns it offers tangible direction in working towards programs with measurable goals in reduction in energy consumption.

Table: Listing of Number of Surveyed Government Buildings by State

S. No	State	Capital	No. of Buildings Surveyed
1	Andhra Pradesh	Hyderabad	39
2	Arunachal Pradesh	Itanagar	1
3	Assam	Dispur	8
4	Bihar	Patna	7
5	Chhattisgarh	Raipur	1
6	Delhi	Delhi	344
7	Goa	Panaji	0
8	Gujarat	Gandhinagar	2
9	Himachal Pradesh	Shimla	16
10	Jharkhand	Ranchi	1
11	Karnataka	Bangalore	87
12	Kerala	Thiruvananthapuram	13
13	Madhya Pradesh	Bhopal	18
14	Maharashtra	Mumbai	13
15	Manipur	Imphal	2
16	Meghalaya	Shillong	19
17	Mizoram	Aizawl	0
18	Nagaland	Kohima	1
19	Orissa	Bhubaneswar	12
20	Punjab & Haryana	Chandigarh	39
21	Rajasthan	Jaipur	19
22	Sikkim	Gangtok	0
23	Tamil Nadu	Chennai	34
24	Tripura	Agartala	1
25	Uttar Pradesh	Lucknow	13
26	Uttarakhand	Deharadun	12
27	West Bengal	Kolkata	9

\* Data on Jammu and Kashmir was not available

**BUREAU OF ENERGY EFFICIENCY AND ITS FUNCTION**

## **2.) BUREAU OF ENERGY EFFICIENCY (BEE) AND ITS FUNCTIONS**

### **2.1) BEE**

Within the provisions of Energy conservation Act 2001, Bureau of energy efficiency has been established in March 2002 as a society under Ministry of Power, Government of India. It has been established to develop policies and strategies for energy conservation in general and reducing energy intensity of the Indian economy in particular. The distinguishing feature of BEE lies in its market principles based approach towards tackling the issue of energy conservation with special thrust on self-regulation. Proactive participation of all stakeholders leading to accelerated and sustained adoption of energy efficiency in all sectors is at the core of BEE approach. With coming in force of Energy Conservation Act 2002, BEE became the gateway for initiating energy efficiency measures in the country.

### **2.2) Functions of BEE**

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 Government 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.

Among other programmes, implementation of Energy Conservation Building Code is a key thrust area of BEE for promoting energy efficient building design.

Under section 14 (p) of the Energy Conservation Act, 2001, Central Government has powers to prescribe ECBC for commercial buildings (at present having a connected load of 500 KW) or building complex for efficient use of energy and its conservation. The state governments have the flexibility to modify ECBC to suit local or regional needs. The Central Government is also empowered to include such commercial buildings in the list of designated consumers under section 14 (e). The designated consumers are required furnish energy consumption returns prescribed (under section 14(k)) and to designate or appoint an energy manager in charge of activities related to energy efficiency and conservation (under section 14 (l)). The state governments are empowered, under section 15 (a) to amend the ECBC to suit regional/ local climatic conditions and notify ECBC in states.

**PROJECT SETTING**

### **3.) PROJECT SETTING**

Several studies have borne out the fact that building design in India does not take into consideration energy efficiency aspects. As a result, in Commercial Buildings, the Annual energy consumption per square meter of the floor area is in excess of 200 kWh. Efficient design based on well-documented scientific principles alone has the capability to reduce the same to 120-160 kWh, a reduction to the tune of 20-40% from the existing level of energy consumption. In the face of ever increasing electricity demand and the need to provide electricity to henceforth un-attended areas, this much reduction in electricity will go a long way in meeting the expectations of the civil society. In nutshell there is an immediate need to prioritize on energy consumption, and a well-structured measure is needed to make it happen. Energy Conservation Building Code (ECBC) is the answer to this challenge. It is in the background of this challenge that the project "Situation Analysis of Commercial Building" has been undertaken. The objective is to create of database of a.) All the government buildings in all state capitals having a connected load have more than 500 KW b.) 10 commercial buildings each, in all the five climatic zones having a connected load of more than 500KW.

Energy Conservation Building Codes (ECBC) have proven to be sources of lasting energy savings in new construction where they have been implemented with care. ECBC have been acknowledged as an important tool of the government energy efficiency and climate change policy. First developed as a response to the oil crisis in the 1970s, ECBC have progressively been adopted in most developed countries. These codes are regularly updated to meet the challenges of the dynamics of the construction sector.

ECBC benefits both the individual building owners and the society. Benefits to property owners include reduced energy costs and improved comfort (both thermal and visual). The benefits to society include reduced capital investments in energy supply infrastructure, reduced environmental impacts, improved electricity reliability, and more efficient use of resources.

While the new commercial buildings are being targeted through the ECBC, there is a need to take up existing commercial buildings for retrofit energy efficiency projects. This would include energy audits, investment grade audits, financing of such projects through the Energy Service Company (ESCO) route and performance contracting. BEE has evolved a programme to take up Government buildings for such energy efficiency programmes so that they become role models for this important initiative to be replicated by others.

## **PURPOSE AND SCOPE OF WORK**



#### 4.) PURPOSE & SCOPE

The Purpose of this Project is to –

- To create a database of ECBC compliant building and the buildings falling within certain initiative like Green Building Council, TERI-GRIHA rating in India
- To create a database of government buildings having a connected load of more than 500KW.
- To create a database of 10 commercial buildings in each of the climatic zones as defined by National Building Code.
- Suggest measures to set up an institutional mechanism to collect and collate data relating to new commercial buildings
- Document the initiative undertaken by the state government to benchmark energy consumption in commercial building.

The Scope of work is limited to –

1. Preparing a database of all buildings that comply with the ECBC, at least including those that are part of any one or more of the initiatives as LEED, TERI, and Green Building Council. The database shall contain the following information:
  - The name of the building
  - Location/ address
  - Name and address of the architect
  - Estimated cost of construction and total covered area
  - Connected load of the building and the hours of its operation
  - Annual energy consumption, if the building is complete and has been in occupation for at least one year. In case of otherwise, monthly energy consumption needs to be mentioned.
  - Present status- i.e. whether occupied/ under construction or design stage. In the case of the last two options, the likely date of completion and if occupied, the date of construction
2. Conduct a survey of (non-governmental) 10 commercial buildings (non-ECBC compliant) in each one of the 5 climatic zones of the country as defined by the National Building Code and ECBC. The commercial buildings surveyed must have a connected load of over 500 KW or a contract demand of 600 KVA or more. The information in respect of these buildings, which are not ECBC compliant buildings, must include (a) to (f) as in (1) and must only target buildings that have been completed during FYs 2006-07 and 2007-08.
3. Collect data on all government buildings in all state capitals of the country. The data to be collected must include (a) to (g) as in point (1) above with (c) and (d) being optional.

4. Suggest measures to set up an institutional mechanism to collect and collate data relating to new commercial buildings from various sources and also documenting the initiatives undertaken by the State Government Authorities to benchmark the energy consumption of different types of commercial buildings (e.g. office buildings, hospitals, hotels, retail shopping malls, etc.).

## **APPROACH AND METHODOLOGY**

## **5.) APPROACH AND METHODOLOGY**

The projects follow a basic methodology, which is structured for maximum efficiency and flexibility. The information gathering process follows a two pronged strategy of extracting data from a.) Secondary sources and b.) Collection of data directly from the field. Data collection methods involved multidisciplinary approach and integrated qualitative and quantitative data collection and analysis such as surveys, focus group discussion, key informant interviews, and secondary data collection. This framework also provides additional information critical for future research strategy and planning. For example, possibility and scope for alternative technology development and dissemination process can be explored through looking at the regional variation in energy consumption pattern.

### **5.1) Secondary Data Collection**

Various rounds of interviews (both personal and telephonic) were conducted with the concerned officials at TERI, Green Building Council, MoEF and concerned officials at state DISCOM. Based on these inputs a database to suit the defined functions of the project has been created. Simultaneously, stakeholders need have been assessed through an interactive session and their inputs have been incorporated. This stage also involved the preparation of the questionnaire, based on the inputs of the stakeholders and the defined scope of work. This again was a participatory exercise where the view points of the stakeholders were refined and incorporated according to the scope of work.

### **5.2) Primary Data Collection**

The target sample consisted of the followings

- All government buildings with a connected load of 500kW or more in all state capitals
- 10 non-governmental, commercial building each, in all of the 5 climatic zones, having a connected load of 500 kW or more or a contract demand of 600KVA or more and having been constructed between FY 2006 to 2008.

The methodology adopted for data collection in government buildings included multi point collection of data from government department in general and from the concerned body responsible for distribution of electricity in particular. In some states where the billing process was in private hands, the applied methodology was that of collecting the same from concerned party through consent of the state electricity board. In all the states the feedback of the concerned electricity distribution department has been sought for maintaining the authenticity of information.

In the next stage the information so collected has been substantiated with the physical verification of the buildings. In government buildings where floor area data were hard to come, some standard rule of thumb, as practiced in engineering designs can be applied. The rule is as shown in table-1:

**Table-1: Rule of thumb showing relationship between floor area and contract demand in any building.**

Serial No	Type of building	Add for lifts and pumps	Energy consumption per Sq Feet (in Watts)
1	AC	No	12
2	AC	Yes	15
3	Non AC	No	3
4	Non AC	Yes	5

The above-mentioned thumbs rule can also be expressed in per day consumption basis for a commercial building with A/C fitting. This turns out to be a consumption of 0.36 watt pr square feet per day (0.36W/sqft/day).

**INSTITUTIONAL MECHANISM FOR COLLECTION OF DATA  
REGARDING NEW COMMERCIAL BUILDING**

## **6.) INSTITUTIONAL MECHANISM FOR COLLECTION OF DATA REGARDING NEW COMMERCIAL BUILDING**

Energy conservation measures are a relatively new concept in India, at least on a large scale; however, it reflects the clear trend of globalization of the ideology that energy if not conserved might lead to a crisis of unprecedented level. Although various studies have been conducted on analyzing energy efficiency measures and introducing them to practice, there is still a lack of systematic information on energy consumption pattern that can be a step forward towards making informed decision. This necessitates deliberating on possible strategies that would improve institutional arrangements for inventory preparation, and eventually to help improve the process of data collection about energy consumption.

### **6.1) Addressing real decision-making needs**

BEE needs to make informed decisions concerning energy conservation provision options. This required a good understanding of energy consumption pattern in all the buildings having a connected load of more than the threshold level (a level to be decided by BEE). It also includes understanding of the initiatives taken by various concerned department towards benchmarking energy consumption in commercial buildings. In addition, the decision makers need a comprehensive understanding and knowledge of the customers to be served, including demographic, technical, financial, legal, geographic, institutional and other information relevant for making sustainable energy conservation provision. This section addresses existing issues and needs, rather than simply providing generic information.

### **6.2) Shifting the basis on which decisions are made**

At the beginning of the process the decision making option was subject to reliance on improperly organized data. It was clear that decisions concerning institutional arrangements was seriously lacking. However, in absence of well-defined institutional arrangement, decision-making was bound to become an arbitrary process. A well crafted institutional arrangement need to be based on sustainability criteria. These criteria include transparency, stakeholder acceptance and participation, institutional capacity, efficient management, access to specialist support, and affordability. This is intending to be achieved through constantly focusing on what is required to ensure sustainability and need fulfillment.

### **6.3) Understanding challenges**

Challenges faced during the fieldwork mainly pertain to tracing the concerned office that could provide reliable data on time. Technically it means tracing the source or origin of data. The broad sources consist of:

- The concerned DISCOM's, who can provide data on energy consumption.
- Private parties entrusted with generation and collection of energy bills.
- The concerned urban local body, which maintains the database of existing commercial buildings within their limit.
- The concerned town-planning department that guides and control the development activity in any town.

- The concerned state PWD that maintains the record of government buildings in that state.
- CPWD that maintains the record of all buildings belonging to central government.
- The energy auditors who do energy auditing of buildings.
- Private parties doing operation and maintenance of commercial buildings.

However keeping in mind the multitude of agencies responsible for providing data, data collection was not an easy task. Further aggravating the problem was attitude of the concerned department in parting with the information, which was essentially public in nature. In states where e-governance was in practice, the attitude of the concerned officials was quite supportive and their contribution in providing data on short notice was really commendable. However in most of the other states (eastern, northern and western) information was hard to come. This can be mainly attributed to the scattered nature of information, and the pain needed for collecting them. The level of disorganization was so great in some state that despite several reminders, data has not been made available to the project team. There is recognition that in order to make the information available on sustained basis there is an immediate need of greater co-ordination among the stakeholders.

#### **6.4) A Key Lesson**

Building and developing institutional arrangement issues for information gathering as regard energy consumption pattern requires sustained access to information (financial, demographic, structural etc.) so that informed decisions can be made. Institutional structures and delivery mechanism at national, sub-regional, regional levels need to be strengthened so as to enable smooth flow of information on energy consumption in buildings in the country and provide single point gateway for energy conservation decision making in India. The capacities and visions of these institutional arrangements help to determine the level and quality of achievements. The elements of the institutional mechanisms are: policy guidelines and frameworks; organizations, institutions; formalized incentive systems, that is, rewards and punishments; regulations, operating procedures and standards such as affirmative actions.

It should consist of:

- Establishment of online Platform for Communication with BEE
  - Design of Database / website linkage with BEE
  - State wise digitalized listing of all buildings having a connected load of more than 500KW. This should contain floor area and the name of architect of the building. This provision of this information needs to be the responsibility of the concerned Municipality. At second stage that information need to be updated for energy consumption (monthly) by the concerned electricity distribution company.



- Mandatory listing of all buildings having a threshold connected load (say more than 500 KW of connected load) with BEE.
  - Inclusion of energy consumption in any of the other survey conducted by central/state government. For example this can take the form of linking collection of energy consumption data with any of the survey conducted by NSSO, CSO. This might help in collection of authentic data without incurring heavy additional cost.
- Preparation of list of certified energy managers and accredited energy auditors
  - Prepare Energy Managers' & Auditors' list
  - Prepare Energy audit firms list with industry specialization
  - Prepare Energy service company (ESCO) list
- Meeting at frequent interval with certified energy managers and accredited energy auditors to discuss and share existing state of energy consumption and future course of action.
- Annual conference of energy intensive industry, as well as certified energy managers and accredited energy auditors.
- Annual meeting of BEE with key stakeholders to discuss progress and next year's action plan.
- Design and printing of promotional material to be distributed to all stakeholders: certified energy managers, accredited energy auditors, ESCO's, designated consumers and general public
  - Preparation of promotional materials like pamphlets, brochures, posters etc
  - Organizing Awareness Campaigns on EE products and services
  - Propagation of Energy Efficiency through school education
  - Promotion of new technologies for EE improvement.
  - List of Energy Efficient technologies / Standards
- Training of designated consumers for annual reporting of energy data
  - Trainers database list (industry-wise, subject-wise)
  - Training of BEE personnel as trainers (through TOT)
  - Training of Designated consumers in the State
  - Training of Designated consumers on e-data filling / analysis of energy data
- Collection of data concerning manufacturing as well as sales of household appliances and other equipment at state level falling under the Energy Conservation Act

- Annual Report about state wise sales of labeled household appliances and other energy intensive equipments
- Annual survey and analysis of impact of Energy Conservation Act, based on reports of accredited energy auditors as well as energy managers as well as other source of information in the state
- Preparation and publishing of annual year book of energy conservation measures at central level
- Preparation of report and analysis of incentive as well as disincentive policies concerning energy conservation measures in energy intensive industries including power sector
- Preparation of recommendation for streamlining policies concerning energy conservation

## **SUGGESTED MEASURES AND RECOMMENDATIONS**

## **7.) SUGGESTED MEASURES AND RECOMMENDATIONS**

Keeping in mind nature and objective of project, certain suggestions have been made so as to facilitate the process of information management. In this section relevant and necessary measures have been deliberated upon that will go a long way towards streamlining the informed decision making process. Keeping in mind the distinct nature of all the stakeholders, separate measures have been recommended for all of them.

### **7.1) Ministry of Environment and Forest**

- For future purpose information on structures cleared by MoEF be also stored in the format as given in the annexure. This information be provided to BEE on monthly basis and that BEE should make sure that the same is maintained in soft copy with it. The structures can be segregated on various criteria like state wise or category wise. Once this is done the energy consumption pattern for those structures need to be retrieved from the concerned state DISCOM. The process for the same is mentioned under a separate heading.
- Summary sheet for the all the Infrastructure project cleared by the MoEF should be provided to the BEE (It would be better to have the web based access of the all the Form 1 & 1A and the EIA report to all so if BEE wants to know about the energy conservation measures in the any proposed commercial or other project).
- MoEF should have some modification in the Form 1 & Form 1A as these don't require the name of architect in the report. It looks optional to the environmental consultant whether they would provide the Architectural Plan of the construction or not.

### **7.2) CII-Green Building Council and TERI**

- Any building which had been certified by the CII-Green Building Council & TERI should be provided to the BEE on regular interval, in the format as given in the annexure. This is only the first step. Once this is done the energy consumption pattern for those structures need to be retrieved from the concerned state DISCOM. The process for the same is mentioned under a separate heading.
- BEE can have the web-based access for the certified building so that they can update the information about there building periodically.

### **7.3) Regarding data collection for Government buildings**

- List of all the existing government building (states as well as central) be retrieved from the concerned state PWD, CPWD. This also be done in the format as provided in the annexure. This might take some time but then is a one-time process. Updates to the list need to be made on regular intervals.
- BEE should have close contact with the State DISCOM as they have the data about all the building having HT connection.

#### **7.4) Energy data collection from the concerned DISCOM/State Electricity Board's**

- There should be a proper understanding between state DISCOM's/State Electricity Board and the BEE as regard importance of 'Energy Conservation and its importance for the Economy'. This can be accomplished by means of holding well-crafted workshops at state level. These workshops should take in to account local needs and try to understand the constraints. Its only when that the DISCOMS/SEB will understand the nature of requirement, proper information will flow from their side. In addition to that step needs to be taken for digitalization of all the available information on top most priority basis. BEE in consultation with the concerned state authority can accomplish this task. In fact non-availability of information in digital version has been the single most important factor towards completion of the project. In those states where soft copy of information was available the concerned authorities were more willing to share the information, than those where information was scattered.
- It will be very difficult fro BEE to keep track of all the progress and do all the co-ordination work on its own. This can be simplified by delegating some of its responsibilities to the concerned state 'Designated Agencies', who work in close co-operation with BEE. This will not only help in dissemination the exact need at local level but also will expedite the information gathering process. The format as provided in the annexure be provided to them, and information collection at state level be made their responsibility.

#### **7.5) Facilities Management Companies**

- These days many large buildings have sub-contracted the operation and management of the buildings to third parties known as facilities management companies. These companies provide a single point source of information on various aspects of operation and management of building including energy consumption. BEE need to have a database of all such companies so that it co-ordinate with them for retrieval of relevant information.

#### **7.6) For BEE**

- They should make the entire data web based.
- There should be some relaxation in the eligibility for the National Certification Examination For Energy Managers and Energy Auditors so that industry would have more & wider option for the Energy Managers and Energy Auditors & there should be renewing of the license of the Energy Managers and Energy Auditors for which there should be attending the conference or workshop or any programme which can widen there knowledge.

**ANNEXURES**

**ANNEXURE A:  
GOVERNMENT BUILDING SURVEY DETAILS (STATE WISE)**

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
<b>Andhra Pradesh</b>								
1	Project Officer, Security Printing Press, Mint compound, Hyderabad. 500004	Office Building	-	100800	630 kVA	630	1,396,824	14
2	Commissioner Of Income Tax, Ayakar Bhavan, Basheerbagh, Hyderabad. 500004	Office Building	-	96,000	600 kVA	600	1,286,291	13
3	Manager, R B I of India, Secretariat, Road, Hyderabad. 500004	Bank Office	-	160,000	1000 kVA	1000	1,787,387	11
4	Chief Manager, Estate Dept, SBH Head Office, Mukthar Complex, Gunfoundry, Hyderabad. 500001.	Office Building	-	120,000	750 kVA	750	1,545,463	13
5	Executive Engineer (Project), APSRTC Stores Compound, RTC X Roads Musheerabad, Hyderabad. 500 020.	Office Building	-	96,000	600 kVA	600	1,262,200	13
6	The Commissioner, Sports Authority of A.P, Lal Bahadur Stadium,	Sports Stadium	-	200,000	1250 kVA	1250	234,367	1



## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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	Hyderabad. 500001.							
7	Assistant General Manager, Andhra Bank H.O, Service, Dept, 5-9-11, Opp A.G Office, Saifabad, Hyderabad. 500004.	Bank Office	-	136,000	850 kVA	850	1,647,697	12
8	Honorary Secretary, Exhibition Society, Exhibition Grounds, Ajanta Gate, Hyderabad.	Office Building	-	176,000	1100 kVA	1100	475,130	3
9	Honorary Secretary, Exhibition Society, Exhibition Grounds, Club Gate, Hyderabad.	Office Building	-	176,000	1100 kVA	1100	575,478	3
10	Joint Secretary (Gad) Gen, AP Secretariat Building, J Block, Hyderabad.	Office Building	-	120,000	750 kVA	750	1,399,501	12
11	M/S Asst Secretary to Govt., GAD AP Secretariat, Saifabad, Hyderabad.	Office Building	-	208,000	1300 kVA	1300	2,517,736	12
12	The Chief Commissioner of Income Tax,	Office Building	-	160,000	1000 kVA	1000	23,736	0

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	IT Tower, AC Guards, Hyderabad.							
13	Director, Nizam's Institute Of Medical Science, Panjagutta, Hyderabad. 500 004.	Educational Institute	-	232,000	1450 kVA	1450	6,687,680	29
14	Aerodrome Officer, Hyderabad. Airport, Begumpet, Hyderabad. 500016.	Airport	-	160,000	1000 kVA	1000	5,411,256	34
15	B H E L, R&D UNIT, Vikasnagar, Hyderabad. 500593.	Public Sector Unit	-	160,000	1000 kVA	1000	2,693,550	17
16	Indian Airlines, Corporation C T E, Begumpet, Hyderabad. 500011.	Airport	-	192,000	1200 kVA	1200	4,195,070	22
17	HEAD EMD NRSA Dept. of Space, Balanagar, Hyderabad. 500037	Office Building	-	239,200	1495 kVA	1495	4,539,286	19
18	University Engineer, OUBP, Osmania University, Hyderabad. 500 007	Educational Institute	-	120,000	750 kVA	750	1,953,618	16

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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19	Indian Institute of Chemical And Technology, Uppal Road, Hyderabad. 500007	Educational Institute	-	240,000	1500 kVA	1500	4,799,588	20
20	Administrative Officer, Centre For Cellular & Molecular Biology, Hyderabad. 500007.	Educational Institute	-	240,000	1500 kVA	1500	7,089,430	30
21	Laboratory Animal, Information Service Centre, Tarnaka NIN Campus, Hyderabad. 500007.	Educational Institute	-	120,000	750 kVA	750	1,213,152	10
22	Osmania University, Engineer Building Division, University Campus, Hyderabad. 500007	Educational Institute	-	80,000	500 kVA	500	4,039,596	50
23	Director National Airport Authority, Airport Begumpet, Hyderabad.	Airport	-	208,000	1300 kVA	1300	6,457,600	31
24	NBTR Memorial Cancer Foundation Research Centre, Road no. 14, Banjara Hills, Hyderabad.	Hospital	-	96,000	600 kVA	600	1,756,576	18
25	The Special Officer, Shilpa Kala Vedika,	Office Building	-	96,000	600 kVA	600	480,960	5

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	Shilparamam, Madhapur, Hyderabad. -18.							
26	Zonal Manager, Central Bank Of India, Bank Street, Hyderabad. 500001.	Bank Office	-	96,000	600 kVA	600	643,973	7
27	Garrison Engineer, P R&D (DMRL), Kanchan Bagh, Hyderabad. 500258.	Office Building	-	640,000	4000 kVA	4000	13,004,100	20
28	Electrical Engineer S B I Unit-2, Local Head Office, Koti, Hyderabad. 500170	Bank Office	-	112,000	700 kVA	700	1,085,380	10
29	Registrar, High Court Of A P, Hyderabad. 500256	High Court	-	108,000	675 kVA	675	1,563,370	14
30	Director, Salarjung Museum, Darusifa, Hyderabad, 500002.	Museum	-	96,000	600 kVA	600	1,498,409	16
31	Chairman, Darus Salam, Educations Trust, Deccan College Of Medical Science, Kanchanbagh, Hyderabad. 258	Educational Institute	-	96,000	600 kVA	600	1,679,563	17

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32	Chief Engineer, ICRISAT - PPS Patancheru, Hyderabad. 502 324.	Office Building	-	360,000	2250 kVA	2250	5,913,982	16
33	The Vice Chairman & M.D., Sports Authority of A.P., I. B. Stadium, Basheer Bagh, Hyderabad.	Sports Stadium	-	120,000	750 kVA	750	550,284	5
34	The Estate Officer, Survey Training Institute, Survey Of India, Uppal, Hyderabad.	Office Building	-	144,000	900 kVA	900	861,834	6
35	N G R I, Tarnaka, Hyderabad- 007.	Office Building	-	112,000	700 kVA	700	1,971,749	18
36	Principal, JNTU College Of Engineering, Kukatpally Campus, Hyderabad. 500 072.	Educational Institute	-	176,000	1100 kVA	1100	2,308,963	13
37	Registrar, University Of Hyderabad, Gachi Bowli, Hyderabad. 500 046.	Educational Institute	-	128,000	800 kVA	800	2,934,636	23
38	The Deputy Director General,	Office Building	-	1,600,000	10000 kVA	10000	21,739,000	14

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	(Independent) R & D, Military Engineering Services, Chandrayangutta Hyderabad- 5.							
39	Indo Soviet Res. Centre, Opp: Balapur (V), R C I Road, Hyderabad. 500 005.	Office Building	-	160,000	1000 kVA	1000	1,417,310	9
<b>Arunachal Pradesh</b>								
1	All India Radio, Station Engineer, HPT-Cutting Hills, Itanagar.	Office Building	-	120,000	750 kVA	750	1,073,518	9
<b>Assam</b>								
1	Doordarshan Kendra, SE-RGB Road, Guwahti-781024.	Office Building	-	284,200	1421 kW	1776.25	907,810	3
2	SDE, Outdoor II, Telephone Exchange, Pan Bazaar, Near Cotton College, Guwhati-781001.	Office Building	-	164,960	1031 kVA	1031	3,259,254	20
3	State Bank of India, SBI Local Head Office,	Bank Office	-	301,120	1882 kVA	1882	1,456,870	5

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	Dispur, Guwahati-781006.							
4	Secretary, National Game Stadium, Sarsusajai, Guwahati-781003.	Sports Stadium	-	400,000	2000 kW	2500	304,634	1
5	Guwahati Medical College Hospital, Supdt. (GMCH), Bhongagarh, Guwahati-781005	Hospital	-	150,560	941 kVA	941	716,550	5
6	Assam Engineering College, Principal (AEC), Jalukbari, Guwahati-781013.	Educational Institute	-	103,600	518 kW	647.5	2,018,592	19
7	Director, IIT, Guwahati-781031.	Educational Institute	-	800,000	4000 kW	5000	12,382,697	15
8	Rajiv Gandhi Sports Complex, Administrator, C/o GMDA, Guwahati-781031.	Sports Stadium	-	200,000	1000 kW	1250	129,468	1
<b>Bihar</b>								
1	The Register, Finance Department, Govt of Bihar, Vikash Bhavan,	Office Building	-	160,000	1000kVA	1000	-	-

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	Patna.							
2	The Collector, Central Exercise, Gardiner Road, Patna.	Office Building	-	80,000	500 kVA	500	-	-
3	Reserve Bank of India, Gandhi Maidan, Patna - 1.	Bank Office	-	106,720	667 kVA	667	-	-
4	Indira Gandhi Institute Of Medical Science, Shekhpura, Patna.	Hospital	-	107,200	670 kVA	670	-	-
5	Controller of Aerodrome, National Airport Authority, Patna.	Airport	-	112,000	700 kVA	700	-	-
6	The Station Engineer, East Zone, Doordarshan, Chajjoobagh, Patna.	Office Building	-	129,920	812 kVA	812	-	-
7	Asst. General Manager, SBI Main Branch, West Gandhi Maidan, Patna.	Bank Office	-	216,000	1350 kVA	1350	-	-



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<b>Chhattisgarh</b>								
1	Railway Station Supply, Raipur.	Office Building	-	160,000	1000kVA	1000	1,752,483	11
<b>Goa</b>								
No Building having Connected Load > 500 kW								
<b>Gujarat</b>								
1	New Secretariat Building, Gandhinagar.	Office Building	-	648,000	3240 kW	4050	6,996,445	11
2	Old Secretariat Building, Gandhinagar.	Office Building	-	186,000	930 kW	1162.5	1,736,725	9
<b>Haryana/Punjab</b>								
1	Govt. Medical College, Sector 31-A, Chandigarh -30.	Educational Institute	-	116,480	582.57 kW	728	306,000	3
2	Govt. Medical College, Block C, Sector 32A Chandigarh 160030.	Educational Institute	-	929,920	4649.86 kW	5812	3,670,000	4
3	Govt. Medical College, Sector 32-A, Chandigarh - 160030.	Educational Institute	-	560,000	2800 kW	3500	2,824,400	5
4	Govt. Medical College Block B, Sector 32-B, Chandigarh - 160030	Educational Institute	-	235,200	1176.152 kW	1470	908,000	4
5	Under Secy. Gen, Haryana	Office Building	-	175,680	878.47 kW	1098	632,200	4

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	Sector 17-E, Chandigarh.							
6	AG Audit, House No.0021, Sector-17 E, Chandigarh	Office Building	-	162,080	810 kW	1013	363,000	2
7	DC Office Building Sector-17 E, Chandigarh	Office Building	-	107,040	535 kW	669	1,187,839	11
8	Director General of Police House No. 3, Sector- 9 D Chandigarh.	Office Building	-	271,040	1355 kW	1694	992,664	4
9	SDO Electric, S/D NO-3, Sector- 9 D, Chandigarh.	Office Building	-	208,800	1043.93 kW	1305	1,012,000	5
10	SDO Electric, SDO No-1, Sector- 9 D, Chandigarh	Office Building	-	187,680	938.12 kW	1173	787,000	4
11	SDE Electric, S/D NO-6, Sector- 9 D, Chandigarh.	Office Building	-	108,160	540.68 kW	676	875,000	8
12	AO CSIO,	Office Building	-	269,440	1347.4 kW	1684	630,000	2

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	Sector- 30 C, Chandigarh.							
13	CII, House No-1005 M, Sector 31 A, Chandigarh.	Office Building	-	123,040	615 kW	769	488,000	4
14	The Controller IMT, Sector 39 B, Chandigarh	Office Building	-	1,118,400	5592.1 kW	6990	4,696,000	4
15	DTE IT, Punjab Plo House No-0001, Sector-36 B Chandigarh	Office Building	-	168,000	840 kW	1050	301,200	2
16	Director, PGI Sector-12, Chandigarh	Hospital	-	176,960	885 kW	1106	325,028	2
17	Emergency Block, PGI Sector-12, Chandigarh.	Hospital	-	115,680	578 kW	723	2,082,000	18
18	Deputy Director Lab, PGI Sector-12, Chandigarh.	Hospital	-	134,880	674.4 kW	843	324,000	2
19	The Estate Officer, PGI Sector-12, Chandigarh	Hospital	-	284,800	1423.95 kW	1780	1,364,000	5

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20	Deputy Director, PGI Sector-12, Chandigarh.	Hospital	-	142,880	714.74 kW	893	783,450	5
21	Estate Officer, PGI Sector-12, Chandigarh.	Hospital	-	127,520	637.7 kW	797	1,846,000	14
22	G M Telecom Manimajra 2/3, Telephone Exchange. Chandigarh,	Office Building	-	253,280	1266.17 kW	1583	3,734,260	15
23	PGMT BSNL, Tele. Exchange. Building, Chandigarh.	Office Building	-	117,280	586.156 kW	733	1,109,000	9
24	Principal, Govt Medical College, Chandigarh.	Educational Institute	-	222,400	1112.06 kW	1390	1,924,100	9
25	Reserve Bank of India, Sector - 12 B, Chandigarh.	Bank Office	-	291,040	1455 kW	1819	1,790,000	6
26	State Bank of India, Head Office, Sector-17B. Chandigarh.	Bank Office	-	280,000	1400 kW	1750	1,751,240	6
27	Punjab National Bank, Sector-17B, Chandigarh.	Bank Office	-	121,120	605.876 kW	757	807,300	7

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28	PSIDC, House No.0018, Sector-17B Chandigarh.	Office Building	-	135,520	677.56 kW	847	889,000	7
29	Punjab High Court, Sector - 1, Chandigarh	High court	-	124,000	620 kW	775	1,255,673	10
30	XEN Assembly Hall, Sector - 1, Chandigarh.	Office Building	-	122,080	610 kW	763	614,517	5
31	XEN Assembly Hall, Sector - 1, Chandigarh.	Office Building	-	122,080	610 kW	763	71,275	1
32	Registrar, Punjab/ Haryana High Court, Sector - 1, Chandigarh.	High Court	-	197,760	989 kW	1236	2,453,150	12
33	DY CONT (P & S) UT Sector - 18 B, Chandigarh.	Office Building	-	149,920	749.9 kW	937	301,307	2
34	Canara Bank House No-0001, Sector-34A, Chandigarh.	Bank Office	-	106,560	533.011 kW	666	931,000	9
35	Managing Director, PB Coop, House No-0175, Sector-34A, Chandigarh.	Office Building	-	248,160	1241.148 kW	1551	821,000	3

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36	District Manager, Telephones House No-0015, Sector-17B Chandigarh	Office Building	-	210,720	1053.296 kW	1317	2,104,000	10
37	Director, Health & Family Welfare, House No-0005, Sector-34A, Chandigarh.	Office Building	-	126,080	630.43 kW	788	398,400	3
38	PGMT, BSNL Telephone Exchange, Sector-34A, Chandigarh.	Office Building	-	121,120	605.876 kW	757	471,000	4
39	Director, Sport Hockey Stadium, Sector - 42 B, Chandigarh.	Sports Stadium	-	128,160	641 kW	801	1,050,000	8
<b>Himachal Pradesh</b>								
1	Assistant. Engineer, CPWD, Shimla - 171004.	Office Building	-	173,440	867.460 kW	1084	529,755	3
2	Assistant. Engineer, CPWD, Shimla - 171001.	Office Building	-	151,520	757.76 kW	947	737,433	5
3	Assistant. Engineer, CPWD, Shimla - 171001.	Office Building	-	160,160	801 kW	1001	-	#VALUE!

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4	Under Secretary, Gad. Govt. Secretariat, Shimla - 171001.	Office Building	-	200,000	1000 kW	1250	236,759	1
5	Under Secretary, Gad. To H.P. Secretariat, Shimla - 171001.	Office Building	-	474,400	2372.720 kW	2965	-	#VALUE!
6	Executive Engineer, H.P Housing, Board Nigam, Shimla - 171002	Office Building	-	112,000	560 kW	700	26,268	0
7	Divisional Engineer, Shimla - 171001	Office Building	-	128,000	640 kW	800	819,580	6
8	D.G. Police, Khalini, Shimla - 171001.	Office Building	-	213,600	1067.615 kW	1335	316,120	1
9	D.G, Head Quarter Complex, Shimla - 171004.	Office Building	-	255,840	1279 kW	1599	273,370	1
10	Director General Of Police, Head Quarter, Shimla - 171002.	Office Building	-	184,320	922 kW	1152	50,760	-
11	Registrar General, H.P. High Court, Shimla - 171001.	High Court	-	217,440	1087.300 kW	1359	-	-
12	Director, Indira Gandhi Medical College, Shimla - 171004.	Educational Institute	-	590,880	2955 kW	3693	-	-

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
13	Superintendent Engineer, Doordarshan Kendra, Shimla - 171004	Office Building	-	144,000	720 kW	900	-	-
14	Secretary To Governor, Raj Bhawan, Shimla - 171004.	Office Building	-	216,800	1084 kW	1355	-	-
15	Secretary, H.P.S.E.B Kumar House, Shimla - 171004.	Office Building	-	123,520	618 kW	772	-	-
16	Executive Engineer, Kumar House. Shimla - 171004.	Office Building	-	165,920	830 kW	1037	-	-
<b>Jharkhand</b>								
1	Project & Consultancy Building, Jharkhand Mantralaya, HEC Dhurwa, Ranchi.	Office Building	-	100,800	630kVA	630	7,64,188	8
<b>Karnataka</b>								
1	Assistant Executive Engineer, Nimhans, Byrasandra, Bangalore.	Office Building	-	-	1500 kVA	1500	2,280,650	10
2	Assistant Executive Engineer, Nimhans, Byrasandra, Bangalore.	Office Building	-	-	600 kVA	600	2,218,080	23
3	Jayadeva Cardiology,	Hospital	-	-	700 kVA	700	2,636,250	24



## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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	9th Block, Jayanagar, Bannerghatta Road, Bangalore.							
4	KMIO Hospital (Kidwai), Jayanagar, Bangalore.	Hospital	-	-	1000 kVA	1000	1,506,170	9
5	The Executive Engineer, Bangalore City Corporation, Jayanagar Shopping Complex, 4th Block, Jayanagar, Bangalore	Office Building	-	-	600 kVA	600	1,450,062	15
6	Chief Commissioner of Income Tax, Central Revenue Buildings, Queens Road, Bangalore.	Office Building	-	-	600 kVA	600	759,984	8
7	Y.M.C.A., # 66, Infantry Road, (GEM Plaza), Bangalore.	Office Building	-	-	950 kVA	950	1,411,264	9
8	The Superintendent, Bowring And Lady Curzon, Hospital Road, Bangalore.	Office Building	-	-	1163 kVA	1163	1,399,160	8

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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9	Asst Engineer, Halasur Telephone Exchange, Kensington Road, Halasur, Bangalore.	Office Building	-	-	600 kVA	600	2,458,380	26
10	National Spiritual Assembly, India, #15, Commisirate Road, Bangalore.	Office Building	-	-	1000 kVA	1000	3,045,940	19
11	K.I.A.D.B. Office Complex, "Parisara Bhavany, Church Street, Bangalore.	Office Building	-	-	750 kVA	750	185,592	2
12	The Head T.A.S.B., L.P.S.C, ISRO, Thippasandra, Bangalore-75.	Office Building	-	-	950 kVA	950	1,297,156	9
13	The Director, National Aero Space, Laboratories, Airport Road, Bangalore-17.	Office Building	-	-	1600 kVA	1600	3,665,400	14
14	The Construction Engineer, ISRO Satellite Centre, Airport Road, Bangalore-17.	Office Building	-	-	5000 kVA	5000	13,693,800	17

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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15	Indian Institute of Management, Bilekaly, Bangalore.	Educational Institute	-	-	700 kVA	700	2,840,730	25
16	The AEE, BWSSB, Jayanagar 8th Block, Thataguni, Bangalore.	Office Building	-	-	900 kVA	900	176,523,000	1,226
17	Assistant Executive Engineer, KUWS& DB, Bethamangala, Bangarpet.	Office Building	-	-	609 kVA	609	967,788	10
18	Divisional Electrical Engineer, Southern Railways, Station Building, Bangalore-23.	Office Building	-	-	11000 kVA	11000	13,617,700	8
19	Divisional Electrical Engineer, Southern Railways, Station Building Bangalore-24.	Office Building	-	-	11000 kVA	11000	10,305,500	6
20	The General Manager, BHEL, Electro porcelain Division, Indian Institute of Science,	Public Sector Unit	-	-	2000 kVA	2000	8,202,340	26

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Bangalore.							
21	The Manager, M/s HMT, Jalahalli, Bangalore.	Office Building	-	-	4500 kVA	4500	10,868,040	15
22	The Registrar, Indian Institute Of Science (IISC), Bangalore.	Educational Institute	-	-	5000 kVA	5000	23,631,696	30
23	The Manager, M/S BEL, Jalahalli, Bangalore.	Office Building	-	-	11000 kVA	11000	34,198,128	19
24	The Joint Director, CPRI, Raman Road, Bangalore.	Educational Institute	-	-	3500 kVA	3500	3,663,800	7
25	Videsh Sanchar Nigam ltd, # 2, Geddalahalli, Keb Layout, RMV II Stage, Sanjaya Nagar, Bangalore.	Office Building	-	-	750 kVA	750	4,986,056	42
26	Karnataka State Agro Ltd, Bellary Road, Hebbal, Bangalore.	Office Building	-	-	600 kVA	600	408,120	4

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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27	The Director, All India Radio, Aralumallige Village, Doddaballa Pura, Bangalore.	Office Building	-	-	5200 kVA	5200	16,181,760	19
28	The Deputy Chief Engineer, ITI, Bangalore.	Educational Institute	-	-	3800 kVA	3800	3,686,760	6
29	The Divisional Electrical Engineer, Divisional Railway Manager, Southern Railway, Bangalore.	Office Building	-	-	7000 kVA	7000	18,348,800	16
30	Garrison Engineer (T), R&D West, Kaggadasapura, CV Ramanagar, Bangalore.	Office Building	-	-	700 kVA	700	2,130,114	19
31	The Deputy Chief Engineer, ITI, Bangalore.	Educational Institute	-	-	3000 kVA	3000	8,126,080	17
32	Divisional Engineer, BSNL, Telephone Exchange, Bangalore.	Office Building	-	-	750 kVA	750	4,498,476	37
33	The AEE, BWSSB, V.N.Halli, Hebbal Village,	Office Building	-	-	975 kVA	975	1,889,076	12

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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	Bangalore.							
34	The Executive Engineer, BWSSB, Kaveri Division-4, 19th Cross- Malleswaram, Bangalore.	Office Building	-	-	1400 kVA	1400	3,253,640	15
35	Commissioner CMC, P B Road, Harihara, Bangalore.	Office Building	-	-	1260 kVA	1260	4,200,885	21
37	The Commissioner, CMC, Davangere, Bangalore	Office Building	-	-	1260 kVA	1260	4,972,545	25
38	Senior Manager, M/S BEML Plant, Maintainance, KGF, Bangalore.	Public Sector Unit	-	-	6500 kVA	6500	31,479,120	30
39	Executive Engineer B W S S B, Harohally, Bangalore.	Office Building	-	-	26500 kVA	26500	180,751,000	43
40	I.S.R.O, Accounts Officer, A 1/6 P.I.E., Bangalore.	Office Building	-	-	750 kVA	750	2,689,554	22
41	The Chairman, BWSSB Sewage Plant, Channayakana Palya, Bangalore,	Office Building	-	-	1000 kVA	1000	1,184,060	7

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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42	Garrison Engineer (Maint) AF, Mes, Jalahalli (West), Bangalore.	Office Building	-	-	1850 kVA	1850	8,654,500	29
43	Central Machine Tools, 6th Mile, Tumkur Road, Bangalore.	Office Building	-	-	700 kVA	700	549,330	5
44	The Executive Engineer, B.W.S.S.B Pump House, Beggar 'S Colony, Hegganahalli, Sunkadakatte, Bangalore.	Office Building	-	-	975 kVA	975	3,597,696	23
45	Executive Engineer, Arkavathi Water Works, BWSSB, Malleshwarm, Bangalore.	Office Building	-	-	2500 kVA	2500	11,795,790	29
46	Executive Engineer, BWSSB, Arkavathi, Head Work Division, Malleshwaram, Bangalore.	Office Building	-	-	3000 kVA	3000	13,177,560	27
47	Executive Engineer, BMTC. Shantinagar, Bangalore.	Office Building	-	-	1000 kVA	1000	1,235,920	8
48	The Managing Director, Bangalore Dairy, Hosur Road,	Office Building	-	-	1750 kVA	1750	8,604,440	31

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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	Bangalore.							
49	Bangalore Stock Exchange #35, New no.51, J.C. Road, 1st Cross, Bangalore.	Office Building	-	-	742 kVA	742	1,290,516	11
50	Garrison Engineer (AF), HQ Training Command, Hebbal, Bangalore.	Office Building	-	-	800 kVA	800	2,289,696	18
51	The Executive Engineer, HAL, M/s. HAL BLR complex, Service Division, P.B. No 1784, Bangalore.	Office Building	-	-	19000 kVA	19000	69,556,770	23
52	Aeronautical Development Agency, P.B. No 1718, Vimanapura Post, Bangalore.	Office Building	-	-	1000 kVA	1000	3,276,552	20
53	The AEE, BWSSB, # 1, Sub-Division, Sanitary Construction, 18th Cross, Malleswaram, Bangalore.	Office Building	-	-	2700 kVA	2700	5,812,200	13
54	H.A.L. Airport,	Airport	-	-	1700 kVA	1700	9,143,340	34



## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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	Controller of Aerodromes, Bangalore.							
55	The Secretary, Medical Education, # 80, 81, Tavarakere, Audgodi, Bangalore.	Office Building	-	-	1500 kVA	1500	4,878,672	20
56	The Executive Engineer, BWSSB, #1, Construction, Sub-Division, K&C Valley, S.T.P. Belur, Nagasandra Road, Bangalore.	Office Building	-	-	630 kVA	630	417,720	4
57	Bharath Heavy Electrical Ltd, Electronic Division, Hosur Road, Electronic City, Bangalore.	Public Sector Unit	-	-	600 kVA	600	440,480	5
58	Director, Imperial Cancer Hospital & Medical Centre, #154/11, Brigade Road, Opp IIM, Bangalore.	Hospital	-	-	1000 kVA	1000	3,557,000	22
59	The Airport Director, Airport Authority of India, Gagan Site, Kundalahalli,	Airport	-	-	750 kVA	750	1,318,626	11

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	Bangalore.							
60	The Executive Engineer (Kaveri Dvn 50mld STP), Kadubeesanahalli, Bangalore.	Office Building	-	-	700 kVA	700	2,231,780	20
61	ISRO ISAC New Campus Dodannakundi Gate, Marath Halli, Air Port Road, Bangalore.	Office Building	-	-	2500 kVA	2500	5,910,520	15
62	Kempegowda Institute of Medical Science, K.R. Road, V.V. Puram, Bangalore.	Educational institute	-	-	750 kVA	750	2,420,668	20
63	Commissioner. BMP, GPA Managing Director, Maharaj Build Tech & Development Pvt, #25, BVK Iyengar Road, Bangalore.	Office Building	-	-	665 kVA	665	679,920	6
64	The AEE, # 5, Electrical S/D, Vidhana Sabha, Bangalore.	Office Building	-	-	750 kVA	750	1,205,034	10
65	The Asst. Engineer, Trunks, Bangalore Telecom, New Telecom Bldg MTCE,	Office Building	-	-	1500 kVA	1500	6,104,310	25

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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	Basaveshwara Circle, Bangalore.							
66	The Deputy Secretary, DPAR, Vidhana Sabha, Bangalore.	Office Building	-	-	889 kVA	889	1,517,766	11
67	The Executive Engineer, BWSSB, High Grounds, Reservoir Station, Bangalore.	Office Building	-	-	900 kVA	900	4,940,550	34
68	AEE, PWD, Vidhana Sabha, #5, Electrical Sub-Division, Bangalore.	Office Building	-	-	650 kVA	650	1,301,610	13
69	Divisional Electrical Engineer Southern Railway, New Divisional Officer, Tank Bund Road, Bangalore.	Office Building	-	-	700 kVA	700	3,034,208	27
70	Khanija Bhavan, # 49, Race Course Road, Bangalore.	Office Building	-	-	2150 kVA	2150	9,925,375	29
71	Reserve Bank of India, Nrupatunga Road, Bangalore.	Bank Office	-	-	600 kVA	600	1,351,458	14
72	AEE, BWSSB, #1, Sanitary Sub-Division, Nayandahalli, Mysore	Office Building	-	-	1400 kVA	1400	1,626,345	7

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	Road, Bangalore.							
73	Bharat Heavy Electrical Ltd, P B # 2606, Electronics Division, Mysore Road, Bangalore.	Public Sector Unit	-	-	2500 kVA	2500	5,198,220	13
74	The Executive Engineer (K-1 Division) Shimsha Bhavan, 75 Mld STP, Mylasandra, Mysore Road, Bangalore.	Office Building	-	-	2200 kVA	2200	4,972,280	14
75	Rail Wheel Factory, Yelahanka, Bangalore.	Office Building	-	-	28000 kVA	28000	96,470,640	22
76	The Director, M/S Mother Dairy, GKVK Post, Yelhanka New Town, Bangalore-65.	Office Building	-	-	1400 kVA	1400	6,976,596	31
77	The Administrative Officer, Jawaharlal Nehru Research Centre, Jakkur Campus, P.O- Jakkur Bangalore.	Educational Institute	-	-	750 kVA	750	2,663,790	22

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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78	National Centre For Biological Science, GKVK Campus, Yelahanka, Bellary Road, Bangalore-65.	Educational Institute	-	-	800 kVA	800	3,571,860	28
79	M/S Garrisons Engineer Head Quarters, Bangalore.	Office Building	-	-	600kVA	600	2940096	31
80	Garrisons Engineer, East Station, East Station Complex, DRDO Bangalore.	Office Building	-	-	7250kVA	7250	200052000	172
81	Managing Director, Kolar Dist. Cooperative Milk, Bangalore.	Office Building	-	-	850 kVA	850	4177340	31
82	Chief Constructional Engineer, DRDO, Verrapura, Bangalore.	Office Building	-	-	600 kVA	600	1660800	17
83	Deputy General Manager, Power Grid Cooperation of India, Bangalore.	Public Sector Units	-	-	1700 kVA	1700	99300	0
84	KSIIDC Limited, #1,2,3,4,Rajerdrs Nagar Ind. Estate,	Office Building	-	-	3000 kVA	3000	2480640	5

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	Bangalore.							
85	Satellite Bus terminal, KSRTC, Bus Terminal, Bangalore.	Office Building	-	-	850 kVA	850	1153368	8
86	Indian Oil Corporation ltd, Kenchenahalli, Bangalore.	Public Sector Units	-	-	630 kVA	630	309120	3
87	Garrisons Engineer, Indian Air Force Station, Bangalore.	Airport	-	-	750kVA	750	3249720	27
<b>Kerala</b>								
1	Deputy General Manager, RBI, Thiruvananthapuram.	Bank Office	-	132,000	825 kVA	825	1,290,210	10
2	Asst. Executive Engineer, Mechanical Sub Division, Legislative Complex, Thiruvananthapuram.	Office Building	-	184,000	1150 kVA	1150	1,721,100	9
3	Estate Officer, Legislators Hostel, (MLA Quarters), Thiruvananthapuram.	Office Building	-	104,000	650 kVA	650	210,730	2
4	S. Nagarajalu MG Partner, Parthas Thiruvananthapuram - 23.	Office Building	-	120,000	750 kVA	750	1,294,540	11

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5	Sri M.P. Ahmed Chairman & Manager Director Malabar Castle (P) Ltd., East Fort, Thiruvananthapuram.	Office Building	-	96,000	600 kVA	600	686,740	7
6	Executive Engineer, Sewerage Project Division, (Pumping Station, Kuriyathy), Thiruvananthapuram - 33.	Office Building	-	104,000	650 kVA	650	42,525	0
7	General Manager, TVM Dairy (MILMA), Ambalathara , Thiruvananthapuram.	Office Building	-	96,000	600 kVA	600	3,087,612	32
8	Exe. Director (O), Hindustan Latex Limited, PB No. 2, Perroorkada, Thiruvananthapuram.	Public Sector Unit	-	152,000	950 kVA	950	5,156,856	34
9	General Manager, Vijaya Mohini Mills, Thirumala, Thiruvananthapuram.	Office Building	-	192,000	1200 kVA	1200	4,042,090	21
10	Secretary to Govt. (II), General Administration, Department,	Office Building	-	112,000	700 kVA	700	1,421,400	13

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	Thiruvanthapuram.							
11	Deputy Secretary to Govt. (IV), General Administration, (HKC) Department, Govt. Secretariat, Thiruvananthapuram.	Office Building	-	116,800	730 kVA	730	258,216	2
12	Head, Engineering Maintenance Division, VSSC Replace Lab, Vattitoorkavu, Thiruvananthapuram.	Office Building	-	400,000	2500 kVA	2500	4,735,780	12
13	Registrar, E R & D C (C-DAC) Keltron, House Vellayambalam, Thiruvananthapuram.	Office Building	-	96,000	600 kVA	600	1,270,570	13
<b>Madhya Pradesh</b>								
1	New Vidhan Sabha Bhawan Near Birla Mandir, Jail Road, Bhopal 462001.	Vidhan Shabha	Mr. Charles Correa	32,000	1000 kVA	1000	927,640	29
2	SDO Conse Dn. Satpura Bhawan, Opp. Vindhyachal Bhawan,	Office Building	M/s Kothari Associates Delhi	35,000	889 kVA	889	2,124,320	61



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	Bhopal.							
3	Bhopal Railway Station Station Area, Old Bhopal.	Office Building	Hafeez Contractor, (Vikek Verma) 29, Bank Street Fort, Mumbai	208,000	1300 kVA	1300	5,626,700	27
4	Bhopal Memorial Hospital & Research Center, Rajsen Bypass Road, Near Karond Square, Bhopal 462038.	Office Building	Hospital Service Cons. Corporaton Plot No. 6, Sec 01, Noida	800,000	2500 kVA	2500	6,412,425	8
5	Doordarshan Kendra, Opp. Rajiv Ghandhi Bhawan, Shyamla Hill, Bhopal.	Office Building	Civil Construction Brother M.P. Nagar	56,656	700 kVA	700	1,594,420	28
6	M.A N.I.T, M.A.N.I.T Square, Mata Mandir, Bhopal - 462007	Educational Institute	-	2,630,436	700 kVA	700	3,053,229	1
7	National Judicial Academy Bhadbhada Road, Bhopal.	Office Building	Kadri Consultants P Ltd. 4A, Shiv Sagar Estates, Mumbai	258,996	800 kVA	800	935,760	4
8	Vallabh Bhavan, Opp. Satpura Bhawan,	Office Building	-	31,665	740 kVA	740	1,317,102	42

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	Jail Road, Bhopal.							
9	Indian Space Research Organization, Sector N, Ayodha Nagar, Bhopal.	Office Building	-	1,214,048	600 kVA	600	1,762,420	1
10	Sarvajanik Jankalyan Prayas Bhawan, Opp. Dental College, Bypass Road, Karoda Bhopal.	Office Building	-	96,000	600 kVA	600	1,766,120	18
11	Kamla Nehru Hospital Hamidya Road, Bhopal - 11	Hospital	-	179,200	1120 kVA	1120	2,062,400	12
12	J.P. Hospital, Tulsi Nagar, 2 No. Stop, Bhopal	Hospital	-	200,000	1250 kVA	1250	2,262,500	11
13	Gandhi Medical College Hamidia Road, Royal Market, Bhopal - 462011	Hospital	-	80,937	1350 kVA	1350	5,628,900	70
14	High Security Animal Disease Lab, Kokta Road, Anand Nagar, Bhopal - 21	Hospital	-	96,000	600 kVA	600	571,250	6

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
15	Indira Gandhi Rashtriya Manav Sangrahalaya, Near Van Vihar, Shaymla Hills, Lake View road, Bhopal - 13	Museum	-	809,365	600 kVA	600	569,850	1
16	CPRI Govindpura, Bhopal - 21	Educational Institute	-	809,365	1765 kVA	1765	1,144,800	1
17	Bharat Heavy Electrical Limited, Piplani, Bhopal - 46022	Public Sector Unit	-	1,344,000	8400 kVA	8400	34,307,384	26
18	Regional Bank of India P.B. No. 32, Hoshangabad Road, Madia Hill, Bhopal - 462011	Bank Office	-	31,005	750 kVA	750	1,421,080	46
<b>Maharashtra</b>								
1	Assistant. Director, M2 DEM/DAL, Mumbai.	Office Building	-	110,080	550.22 kW	688	585,040	5
2	Dean, J.J Group of Hospital, K.C Marg, Byculla, Mumbai.	Hospital	-	114,560	573 kW	716	210,680	2

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
3	Hydraulic Engineer, B.M.C, Mumbai.	Office Building	-	120,000	600 kW	750	653,100	5
4	Nehru Science Center, Dr. E Moses Road, Worli, Mumbai 400 018.	Educational Institute	-	122,880	614.05 kW	768	432,650	4
5	Ass. Controller Patents & Design Todi Estates, 3rd Floor, Sun Mill Compound, Lower Parel (West), Mumbai 400 013.	Office Building	-	136,960	685 kW	856	575,700	4
6	The Executive Engineer (Electric), Mumbai.	Office Building	-	162,720	813.49 kW	1017	1,364,700	8
7	Dean K.E.M Hospital, Acharya Donde Marg, Parel, Mumbai 400 012.	Hospital	-	174,400	871.33 kW	1090	1,739,600	10
8	Garrison Engineer, Kunjali, Dr Homi Bhabha Road Navy Nagarcolaba, Mumbai 400 005.	Office Building	-	201,120	1005.85 kW	1257	2,658,324	13

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
9	Garrison Engineer, Dr Homi Bhabha Road, Navy Nagarcolaba, Mumbai 400 005.	Office Building	-	543,840	2719 kW	3399	2,408,580	4
10	Garrison Engineer, Dr Homi Bhabha Road, Navy Nagarcolaba, Mumbai 400 005.	Office Building	-	543,840	2719 kW	3399	3,312,180	6
11	Senior D.E.F (g) C.S.T, Mumbai.	Office Building	-	543,200	2876 kW	3395	1,033,980	2
12	General Manager.	Office Building	-	810,560	4053 kW	5066	1,834,900	2
13	The Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005.	Educational Institute	-	1,136,640	5683.18 kW	7104	11,665,040	10
<b>Manipur</b>								
1	Indoor Stadium, Khuman Lampak Sports Complex, Imphal-795001.	Stadium	-	120,000	750 kVA	750	3,56,650	3
2	Aerodrome Officer, Tulihal Airport, Imphal-795001.	Airport	-	136,000	680 kW	850	8,86,866	7
<b>Meghalaya</b>								
1	GSWS, Mawaphlang, SDO-GSWS,	Office Building	-	471,360	2946 kVA	2946	14,527,000	31

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Electric Sub-Division, Shillong.							
2	Director, Government Press, Printing & Stationary, Shillong.	Office Building	-	127,840	799 kVA	799	87,900	1
3	The Secretary NEC, NEC Complex, Nongrim Hills, Shillong-793003.	Office Building	-	160,000	1000 kVA	1000	482,000	3
4	Deputy Secretary, SAD (N) Building, Shillong.	Office Building	-	172,800	1080 kVA	1080	536,000	3
5	The Manager (Const.)- PGCI, Power Grid Cooperation of India Ltd, Lapalang, Shillong-793006.	Public Sector Unit	-	100,800	630 kVA	630	1,002,000	10
6	Secretariat Main Building, Under Secretary SAD (N) Meghalaya, Shillong.	Office Building	-	200,000	1000 kW	1250	128,980	1
7	MH Pump House E, M. E. S., Shillong Division, Shillong.	Office Building	-	469,920	2350 kW	2937	6,030,000	13

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
8	AE (Internal), S. D. E. Trunks, Old Telephone Exchange Building, Shillong.	Office Building	-	140,800	704 kW	880	2,197,570	16
9	Police Reserve & Police Station, Khasi Hill (East), Dist- Shillong.	Office Building	-	120,000	750 kVA	750	5,514,390	46
10	The Commandant, Assam Rifle Construction Company-I, Laitkor, Shillong.	Office Building	-	160,000	1000 kVA	1000	2,592,000	16
11	BSF Umpling, The Commandant, 54th Battalian, Umpling, Shillong-793006	Office Building	-	100,000	500 kW	625	770,380	8
12	BSF Mawpat, The Commandant, Headquarter, 83rd Battlian, Shillong-793012.	Office Building	-	100,000	500 kW	625	1,192,800	12
13	Yojana Bhawan, The Under Secretary, Add Dept (N), Shillong	Office Building	-	150,560	753 kW	941	96,000	1

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
14	The Garrison Engineer (MES), Shillong Division, Happy Valley. Shillong	Office Building	-	500,000	2500 kVA	3125	8,856,160	18
15	NEHU, Mawkynroh Umshiing, Shillong.	Educational Institute.	-	600,000	3000 kVA	3750	3,583,357	6
16	3rd Secretariat, Under Secretary, Govt of Meghalaya, Admin Branch, Shillong.	Office Building	-	120,000	600 kVA	750	403,330	3
17	GE (A/F) HQ-EAC Complex, Upper Shillong, Shillong.	Office Building	-	219,200	1096 kVA	1370	2,826,000	13
18	Director, AIR, Mawajrong, Shillong.	Office Building	-	96,000	600 kVA	600	1,252,034	13
19	GE (A/F) EAC Complex, Upper Shillong, Shillong.	Office Building	-	132,480	828 kVA	828	3,354,080	25
<b>Mizoram</b>								
No Building having Connected Load > 500 kW								
<b>Nagaland</b>								
1	Secretariat Building, Secretary Home	Office Building	-	160,000	1000 kVA	1000	3,60,000	2



## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Department Nagaland, Kohima-797001.							
<b>Orrisa</b>								
1	Directorate of Estate, Department, Secretariat, Building, Bhubaneshwar.	Office Building	-	-	800kVA	800	2128728	
2	Telephone Bhavan, Feeder-Secretariat, Bhubaneshwar.	Office Building	-	-	665 kVA	665	3209088	
3	The controller of Aerodrome, Bhubaneshwar	Aerodrome	-	-	750 kVA	750	2248908	
4	Assistant General Manager, S.B.I. Local Head Office. IDCO Tower, P/S-Plot-No-111/1, K.V Nagar, Bhubaneshwar.	Bank Office	-	-	1046 kVA	1046	1726296	
5	Manager, RBI, Bhubaneshwar.	Bank Office	-	-	750 kVA	750	1381008	
6	General Manager, IDCO Tower, Jan path, Bhubaneshwar.	Office Building	-	-	750 kVA	750	1586976	
7	Nalco Bhavan,	Public Sector	-	-	815kVA	815	2087460	

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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	C.S Pur, Bhubaneswar.	Unit						
8	Carriage Repair Workshop S.E, Railway, Mancheswar, Bhubaneswar.	Office Building	-	-	900 kVA	900	4471872	
9	Divisional Head (M), IDCO, Fortune Tower, STP Building, Plot No-S-4-Maitri Vihar, Bhubaneswar.	Office Building	-	-	2000 kVA	2000	5803166	
10	The Senior Engineer (G), East Coast Railway, Khurda Road, Bhubaneswar.	Office Building	-	-	2250 kVA	2250	11339640	
11	M/S Garrisons Engineer, I.N.S Chilka, Bhubaneswar.	Office Building	-	-	900 kVA	900	4234140	
12	Assistant Engineer, Crossbar Exchange, Telephone Bhavan, B.K Road, Bhubaneswar.	Office Building	-	-	683 kVA	683	3170832	
<b>Rajasthan</b>								
1	Public Works Department, Jacob Road,	Office Building	-	-	665 kW	831.25	599,368	

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	Jaipur-302006.							
2	SBI, Sanganeri Gate Branch, Sanganeri Gate, Jaipur-302001.	Bank Office	-	-	500 kW	625	3,736,638	
3	Divisional engineer, Telephone Exchange, Jaipur.	Office Building	-	-	665 kW	831.25	1,758,512	
4	Sawai Man Singh Convection Center, (Opp. RBI Building), Jaipur.	Office Building	-	-	500 kW	625	597,100	
5	Sawai Man Singh Hospital, Jaipur- 302004.	Hospital	-	-	1525 kW	2000	4,139,830	
6	Secretariat, Jaipur 302005.	Office Building	-	-	3712 kW	4500	1,227,132	
7	SBI Head Office, Tilak Marg, C-Scheme, Jaipur - 320005.	Bank Office	-	-	926kW	1157.5	4,485,990	
8	Director, Economics & Stationary Dept. Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur -302005.	Office Building	-	-	803 kW	1003.75	805,548	

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9	Commissioner of Income Tax, New Central Revenue Building, Bhagwan Das Road, Near Statue Circle, Jaipur-302005.	Office Building	-	-	791kW	897	346,524	
10	Registrar, Rajasthan High Court. Jan path.	High Court	-	-	1250 kW	1562.5	3,003,144	
11	Reserve Bank of India, Ram Bagh Circle, Tank Road, Jaipur 302 004.	Bank Office	-	-	1320 kW	1650	7,487,736	
12	Regional manager, LIC, High Court Circle, Jaipur.	Office Building	-	-	800 kW	1000	5,066,268	
13	Jaipur Development Authority, Indira Circle, Jawaharlal Nehru Marg, Jaipur - 302 004.	Office Building	-	-	600 kW	750	6,986,016	
14	The Secretary Sports, Stadium, (S.M.S), Jaipur.	Stadium	-	-	900 kW	1125	4,735,152	
15	Rajasthan Vidhana Sabha, Jyoti Nagar,	Vidhana Sabha	-	-	1850 kW	2312.5	698,082	

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Jaipur.							
16	The Secretary, RESB Vidyut Bhawan, Jyoti Nagar, Jaipur.	Office Building	-	-	600 kW	750	4,890,912	
17	Jaipur Stock Exchange Ltd, Stock Exchange Building, JLN Marg, Malviya Nagar, Jaipur-302017.	Office Building	-	-	600kW	750	602347	
18	Registrar, Malviya Nagar Institute of technology, JLN Marg, Jaipur.	Educational Institute	-	-	5000kW	6250	3334930	
19	Director, HCM, Rajasthan State Institute of Public Administration, JLN Marg Jaipur -302017	Educational Institute	-	-	600kW	750	749340	
<b>Sikkim</b>								
No Building having contract demand of 500 kW								
<b>TamilNadu</b>								
1	The Manager, Reserve Bank Of India, PLS 40 Fort Glacis,	Bank Office	-	224,000	1400 kVA	1400	2,652,480	12

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	Estate Department, Chennai - 6000 01.							
2	The Commissioner, Income Tax Dept., 121 Nungambakkam High Road, Nungampakkam, Chennai - 600034.	Office Building	-	304,000	1900 kVA	1900	2,517,478	8
3	Sub Divisional Engineer, Substation (New Building), Chennai, Telephone/ Flower Bazaar NSC Bose Road, Chennai - 600001	Office Building	-	192,000	1200 kVA	1200	5,860,797	31
4	The Chief Manager, Indian Overseas Bank, Central Premises Dept, 762, Anna Malai, Chennai - 600002.	Bank Office	-	160,000	1000 kVA	1000	1,275,880	8
5	Commissioner Of Customs Office Superintendent, Head Quarters Administrative Cell, Custom House, 31 Rajaji Salai, Chennai - 600001.	Office Building	-	160,000	1000 kVA	1000	2,105,310	13

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6	The Executive Engineer, PWD No.26, Satribhavan Haddows Road, Chennai - 600006.	Office Building	-	116,000	725 kVA	725	1,729,250	15
7	The Dean, Govt. General hospital, Govt. General Hospital Park, Chennai- 3.	Hospital	-	180,000	1125 kVA	1125	-	-
8	The Indian Bank Head Office, 31, Rajaji Premises Department Road, Chennai.	Bank Office	-	128,000	800 kVA	800	1,963,680	15
9	The Under Secretary to Government Public (Building), Department Fort St. George, Chennai - 600009	Office Building	-	160,000	1000 kVA	1000	2,207,184	14
10	The Registrar High Court, Chennai - 600104.	High Court	-	304,000	1900 kVA	1900	3,456,360	11
11	The Director (Doordarshan) Doordarshan Kendra, Adams Road, Chepauk,	Office Building	-	120,000	750 kVA	750	3,308,860	28

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	Chennai - 600005.							
12	Under Secretary to Government Public Building Department, Fort St. George, Chennai 600009.	Office Building	-	96,000	600 kVA	600	1,670,857	17
13	The Dy. General Manager, State Bank of India, Zonal Office Administration, 21, Rajaji Salai. Chennai - 600001.	Bank Office	-	132,800	830 kVA	830	1,916,000	14
14	The Chief General Manager Videsh Sanchar Nigam Ltd, Videsh Sanchar Bhavan, Adams Road, Chennai - 600002.	Office Building	-	640,000	4000 kVA	4000	9,684,400	15
15	Indian Oil Corporation Ltd, 139, Nungambakkam High Road, Chennai- 600034	Public Sector Unit	-	136,000	850 kVA	850	1,783,000	13
16	The Electrical Engineer. Corporation of Madras, Ripon Building, Chennai - 600003.	Office Building	-	160,000	1000 kVA	1000	-	-



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17	The Div. Supdt. (Elect), Southern Railway Madras Division, NGO Annexe, 3rd, floor, Chennai - 600003	Office Building	-	145,600	910 kVA	910	2,923,446	20
18	The Divisional Railway Manager (Electrical), Southern Railway, Madras Division, 4th floor, Chennai - 600003	Office Building	-	120,000	750 kVA	750	2,982,533	25
19	The Dean, Veterinary College, Vepery, Chennai- 600007.	Educational Institute	-	96,000	600 kVA	600	-	-
20	The Director (T.B. Research) Tuberculosis Research, Chennai - 600031.	Hospital	-	204,800	1280 kVA	1280	-	-
21	The Dean, Kilpauk Medical College, Chennai- 600010.	Educational Institute	-	104,000	650 kVA	650	-	-
22	Office on Special Duty TB Building, Management Committee CMDA no. 8, Gandhi Irwin Road, Egmore,	Office Building	-	272,000	1700 kVA	1700	4,929,440	18

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	Chennai -600008.							
23	Indian Overseas Bank 762, 2nd Floor, Anna Malai Chennai- 600002.	Bank Office	-	208,000	1300 kVA	1300	3,044,100	15
24	Unit Trust Of India UTI Hose, 29, Rajaji Salai, Chennai- 600001.	Office Building	-	80,000	500 kVA	500	435,760	5
25	The Member Secretary S.D.A of Tamilnadu, 116-A, Periyare, EV.R. High Road, Nehru Park, Chennai - 600080.	Office Building	-	144,000	900 kVA	900	496,540	3
26	The Area Engineer, X MMWS& SBD. Adyar No. 42, Ist Main Road, Indra Nagar, Chennai - 600020.	Office Building	-	96,000	600 kVA	600	-	-
27	Dean, Government General Hospital, Chennai - 600003.	Hospital	-	240,000	1500 kVA	1500	-	-
28	Member Secy, Sports Development Authority of TamilNadu,	Office Building	-	296,000	1850 kVA	1850	603,520	2

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

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	116A, Periyar, E.V.R. High Road, Chennai - 600084.							
29	Divisional Railway Manager, Southern Railway, Annexe Building, Chennai - 600003.	Office Building	-	320,000	2000 kVA	2000	-	-
30	Member Secretary, CMDA/Tower II, The Officer On Special Duty, Building Management Committee, Ground Floor, Gandhi Road Egmore, Chennai - 600008	Office Building	-	104,000	650 kVA	650	1,344,870	13
31	The AGM, S.B.I, Premises & Estate Dept. (4th floor) Local head office, 16,College Lane, Nungambakkam, Chennai-600006.	Bank Office	-	144,000	900 kVA	900	4,050,010	28
32	C.M.W.S.S.B, Sewage Board Fisheries Dept Campus,	Office Building	-	160,000	1000 kVA	1000	-	-

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	Santhome High Road, R.A. Puram, Chennai - 600028.							
33	The Divisional. Manager (electrical) Southern Railway N.G.O. Annexe, Chennai - 600003.	Office Building	-	320,000	2000 kVA	2000	2,446,400	8
34	The Assistant Engineer, (phone) Nungambakkam Telephone Exchange, Haddows Road, Chennai.	Office Building	-	129,600	810kVA	810	5,536,704	43
<b>Tripura</b>								
1	Agartala Airport, The Director (AAI), Airport Authority of India, Chinaihani, Agartala-799015	Airport	-	217,600	1088 kW	1360	221,940	1
<b>Uttar Pradesh</b>								
1	Jawahar Bhavan, 24, Ashok Marg, Lucknow-226001.	Office Building	-	110,000	550kW	687.5	348,000	3
2	Income Tax Office, Ashok Marg,	Office Building	-	120,000	600kW	750	360,000	3

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	Lucknow.							
3	Balrampur Hospital, Gulagaj, Lucknow-226016.	Hospital	-	128,000	800kW	800	360,000	3
4	Pariwahan Nigam, Mahatma Gandhi Marg, Lucknow-226016.	Office Building	-	100,000	500kW	625	180,000	2
5	Board of Revenue (Head Office), Quasar Bagh Road, Lucknow-226001.	Office Building	-	110,000	550kW	687.5	420,000	4
6	Lucknow University, Hanuman Setu Road, Lucknow.	Educational Institute	-	110,000	550kW	687.5	360,000	3
7	Central Excise Office, Ashok Marg, Lucknow-226001	Office Building	-	140,000	700kW	875	240,000	2
8	Khaniz Bhavan, Madan Mohan Malviya Marg Lucknow-226001	Office Building	-	120,000	600kW	750	240,000	2
9	Krishi Nidashalaya, Madan Mohan Malviya Marg, Lucknow.	Office Building	-	140,000	700kW	875	300,000	2

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
10	Vanijya Kar Bhavan, 5-Meera Bai Marg, Lucknow.	Office Building	-	140,000	700kW	875	120,000	1
11	Nav Chetan Kendra, Ashok Marg, Lucknow.	Office Building	-	120,000	600kW	750	360,000	3
12	Railway Station (N.R), Chor Bagh, Lucknow-226001	Office Building	-	1,400,000	7000kW	8750	624,000	0
13	Indra Bhawan, Ashok Marg, Lucknow.	Office Building	-	120,000	600kW	750	384,000	3
<b>Uttarakhand</b>								
1	Director General, Forest Survey of India, Kaulagarh Road, Deharadun.	Office Building	-	108,000	540kW	675	3,657,837	34
2	Director, Experimental Lab, FRI, Deharadun.	Educational Institute	-	160,000	800 kW	1000	1,549,476	10
3	Director, Wildlife Institute of India, Chandrabani. Deharadun.	Educational Institute	-	168,000	840 kW	1050	953,815	6
4	Director, KDMIPE, ONGC-9	Public Sector Unit	-	628,960	3145 kW	3931	9,426,080	15

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Kaulagarh Deharadun							
5	G.E.M.E.S, Clement Town, Deharadun.	Office Building	-	500,000	2500 kW	3125	12,897,161	26
6	G.E.M.E.S, I.M.A Town, Prennagar, Deharadun.	Office Building	-	753,600	3768 kW	4710	9,110,800	12
7	DRM, Northern Railway, Railway Station C/O-S.S.E, Deharadun.	Office Building	-	120,000	600 kW	750	443,784	4
8	S.E (Electrical), ONGC Hospital, Deharadun.	Public Sector Unit	-	168,320	842 kW	1052	1,016,580	6
9	Medical Superintendent, Doon Hospital, Deharadun.	Hospital	-	100,000	500 kW	625	580,280	6
10	SE (Electricity) ONGC, Deharadun	Public Sector Unit	-	297,600	1488 kW	1860	1,947,436	7
11	Director IIRS, Kalidas Road, Deharadun.	Educational Institute	-	184,000	920 kW	1150	1,209,543	7

## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
12	G.E.M.E.S, Cant. Deharadun.	Office Building	-	1,700,000	8500 kW	10625	30,314,000	18
<b>West Bengal</b>								
1	All India radio, Eden Garden, Akashwani Bhawan, Kolkata.	Office Building	-	99,200	620 KVA	620	1,703,690	17
2	Section- In-charge, Elec. Engg. Service Section, Variable Energy Cyclotron Centre, Department of Atomic Energy, 1/AF, Bidhannagar, Kolkata.	Office Building	-	960,000	6000 KVA	6000	12,262,000	13
3	Jalasampad Bhawan Govt. of W.B, Jalasampad, Bidhannagar, Kolkata.	Office Building	-	104,000	650 KVA	650	643,670	6
4	National Test House Block CP, Sector -V, Salt lake City, Kolkata.	Office Building	-	129,600	810KVA	810	734520	6
5	Bikash Bhavan, Metropolitan Electrical Division,	Office Building	-	128,000	800KVA	800	1232310	10



## ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)

S. No	Name/Address of the Building	Category	Name/Address of the Architect (Optional) *	Total Covered Area (Estimated) **	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Purtabhawan (1st. floor), Salt lake, Kolkata.							
6	Swastha Bhavan Services (Accts), GA Branch, Block GN-29, Sector-V Bidhannagar, Kolkata.	Office Building	-	128,000	800KVA	800	892800	7
7	Geological Survey of India, Eastern Region, 12th Stories Bldg, DK-6, Sec-II, Karunamaye, Kolkata.	Office Building	-	120,000	750KVA	750	1126190	9
8	Divisional Electrical Engineer Office of the Divisional Supdt, Eastern Railways, Howrah, Kolkata.	Office Building	-	239,200	1495KVA	1495	6372570	27
9	Howrah DRM Building Eastern Railways Howrah, Kolkata.	Office Building	-	160,000	1000KVA	1000	3688460	23

\* Available only for Madhya Pradesh

## **ANNEXURE A: GOVERNMENT BUILDING SURVEY DETAILS (ALL STATES)**

\*\* Actual area available only for buildings in Madhya Pradesh. For others the estimate is based on thumb rule of contract demand of 5 watt per Sq Feet for Government non AC buildings (normative architectural practice adopted for computing estimated building load).

**ANNEXURE B:  
GOVERNMENT BUILDINGS SURVEY DETAILS (DELHI)**

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
<b>NDPL</b>							
1	MTNL Telephone Exchange, Badli, Ind. Area, Badli, New Delhi.	Office Building	-	100,000	500	7,22,304	7
2	Executive Engineer, DSIDC Technical Centre, Wazirpur Industrial Area, New Delhi.	Office Building	-	100,000	500	4,28,832	4
3	Chief Manager, Delhi Tourism, Dilli Haat, TV Tower Pitampura, New Delhi.	Office Building	-	100,000	500	1,61,712	2
4	Executive Engineer (E), DSIDC Admin. Block, Narela Industrial Park, New Delhi.	Office Building	-	100,200	501	70,812	1
5	Executive Engineer (E), DSIDC Admin. Block, Narela Industrial Park, New Delhi.	Office Building	-	102,000	510	1,178,208	12

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
6	Executive Engineer E II, G.T. Karnal Road, Industrial Estate, CEPT Society.	Office Building	-	103,200	516	235,728	2
7	Executive Engineer (E&M) SDW VII, NSTP Coronation pillar, Nirankari Colony Kingsway Camp, New Delhi	Office Building	-	106,000	530	721,152	7
8	Director of Maize Research, Comings Laboratory, IARI Pusa, New Delhi	Educational Institute	-	111,974	559.87	1,098,720	10
9	Executive Engineer (SDW) VIII, NSTP Coronation pillar, Nirankari Colony, Delhi 9.	Office Building	-	113,000	565	133,560	1

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
10	Medical Superintendent, ESIC Public & Semi Public Faculty Area, ESI Hospital, New Delhi.	Hospital	-	113,000	565	220,608	2
11	Office of the Section Judge, Room No. 204, Tis Hazari Court, Delhi 110006.	Office Building	-	114,008	570.04	2,931,696	26
12	Divisional Election Engineer, DRM Office, Northern Railway, Chemsford , New Delhi.	Office Building	-	115,200	576	1,498,968	13
13	Institute Hotel Management, Catering & Nutrition, PUSA, New Delhi.	Educational Institute	-	115,300	576.5	2,592	0
14	Manager (Bills), Delhi Transport Corporation, IP Estate HQ,	Office Building	-	115,648	578.24	758,880	7

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	New Delhi.						
15	University Engineer, University of Delhi.	Educational Institute	-	109,800	549	859,968	8
16	Medical Superintendent, Sushurt Trauma centre, 9, Metcalf House, Civil Lines, New Delhi.	Hospital	-	119,000	595	1,338,336	11
17	Div Railway Manager (Elect), Northern Railway, New Delhi,	Office Building	-	120,434	602.17	1,662,540	14
18	Dy. Director, Transport Authority, Motor Vehicle Inspection Unit, New Delhi.	Office Building	-	124,000	620	274,320	2
19	A E (Electrical) Sub Div for PWD, Electric Div 07 Old Secretariat, Old Secretariat, New Delhi.	Office Building	-	126,280	631.4	1,692,864	13

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
20	Administrative Officer, Institute of Applied Man Power Research, Plot no. 25, Sec A7, New Delhi.	Educational Institute	-	129,600	648	60,144	0
21	APMC Azadpur, Executive Engg Office complex, APMC MNI New Fruit Market, New Delhi.	Office Building	-	130,000	650	1,228,752	9
22	Executive Engineer, Office of University Engineer, International Student Hostel, Mall Road, Delhi.	Educational Institute	-	132,564	662.82	1,587,312	12
23	Deputy Registrar, Ballabbhai Patel Chest Institute, University of Delhi, Delhi	Hospital	-	136,000	680	1,262,160	9



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
24	Medical Superintendent, Sanjay Gandhi Memorial Hospital, Delhi.	Hospital	-	137,400	687	2,787,840	20
25	XEN (E&M) WS/North West, Sewage P/Station, TU Block, Opp City Park Hotel, Pitampura, New Delhi.	Office Building	-	142,000	710	228,528	2
26	Principal, Kasturba Polytechnic (Women), Delhi Admin Pitampura, New Delhi	Educational Institute	-	144,200	721	371,520	3
27	Executive Engg (E&M) S P & City, E - 39, Inner Circle, Connaught Place, New Delhi	Office Building	-	145,000	725	1,240,560	9
28	The Director, Nuclear Research Laboratory,	Educational Institute	-	150,000	750	2,089,260	14

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Indian Agricultural Research Institute, New Delhi.						
29	Ex. Engineer (SDW) IX, S.T.P. Rithala, Sec V, Rohini, New Delhi.	Office Building	-	150,000	750	2,020,608	13
30	University Engineer, Engg. Department, Delhi University, Delhi.	Educational Institute	-	151,218	756.09	2,955,312	20
31	Executive Engineer (E&M) CPD-II, Rithala S.T. P Rithala (WS & SDU), New Delhi.	Office Building	-	154,050	770.25	1,132,128	7
32	Executive Engineer (Elect.), Electric Div 09 DDA, Rohini office, Rohini, Sec-03 New Delhi.	Office Building	-	156,200	781	514,080	3
33	A E E&M Coronation, Sewage Treatment Plant, Near Nirankari Colony, Timarpur,	Office Building	-	157,506	787.53	1,042,128	7

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Delhi.						
34	General Manager, I S B T, Transport Department, Kashmere Gate, Delhi	Office Building	-	168,064	840.32	2,094,408	0
35	Director, Western Printing Group, Survey of India, Palam Vill Group, Near Palam Railway Crossing, New Delhi.	Office Building	-	169,200	846	354,384	2
36	Regional PF Commissioner Delhi, Plot No. 28, Community Centre, Wazirpur Industrial Area, Office Complex, Delhi	Office Building	-	169,800	849	348,300	2

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
37	Director, Institute of Genomic And Integrative Biology, Mall Road, Delhi.	Educational Institute	-	170,000	850	1,993,824	12
38	Deputy Secretary (EDN), Krishi Anushandhan Bhavan, ICAR, Pusa, New Delhi	Educational Institute	-	171,400	857	937,872	5
39	XEN (E&M) WS/North West, Sewage P/Station, TU Block, Opp City Park Hotel, Pitampura, New Delhi.	Office Building	-	176,848	884.24	4,713,984	27
40	Asst Engineer phones tech, Tis Hazari Exchange, C/o Div Eng Phones XI Telephone Exchange, Delhi	Office Building	-	176,848	884.24	4,713,984	27
41	University Engineer, Delhi University Faculty,	Educational Institute	-	178,000	890	1,605,312	9

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Delhi.						
42	Medical Supriintendent, Aruna Asaf Ali Govt. Hospital, 5, Rajpura Road, New Delhi.	Hospital	-	184,600	923	2,936,760	16
43	XEN (E&M) WS/North West, Sewage P/Station, TU Block, Opp City Park Hotel, Pitampura, New Delhi.	Office Building	-	185,300	926.5	836,280	5
44	Garrison Engineer (AF) South, Tughlakabad, New Delhi.	Office Building	-	187,000	935	455,904	2
45	The Resident Superintendent, RB TB Hospital, Kingsway Camp, Delhi.	Hospital	-	189,692	948.46	1,182,384	6

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
46	Head of the Division, Division of Genetics, IARI Pusa, New Delhi.	Educational Institute	-	190,732	953.66	882,000	5
47	The Director, National Institute of Communicable Diseases, 22, Alipur Road, Delhi- 110006.	Educational Institute	-	190,906	954.53	1,589,184	8
48	Cantonment Executive Officer, Delhi Cantonment Board office, Sardar Bazaar, Delhi.	Office Building	-	196,200	981	2,077,200	11
49	The General Manager, Tool Room & Tanning Center, Wazirpur, Delhi.	Office Building	-	196,622	983.11	162,144	1
50	Garrison Engineer (R&D), Lucknow Road, Timarpur, Delhi.	Office Building	-	200,000	1000	2,871,720	14

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
51	XEN (SDW) XII, Rithala S.T. P, New Delhi	Office Building	-	200,000	1000	1,257,120	6
52	The Director, NBPGR (National Bureau of Plant Genetics Resources), Pusa Campus, Harbhajan Enclave, New Delhi.	Educational Institute	-	204,800	1024	122,880	1
53	XEN (E&M) WS/North West, Sewage P/Station, TU Block, Opp City Park Hotel, Pitampura, New Delhi.	Office Building	-	207,900	1039.5	1,235,088	6
54	Executive Engineer (SDW) IX, Delhi Jal Board, Bharat Nagar Sewage Pumping Station, Opp Laxmi Bai College, New Delhi.	Office Building	-	211,960	1059.8	1,320,336	6

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
55	Admin Officer, IARI Pusa/Chemistry Division, New Delhi	Educational Institute	-	213,600	1068	1,116,900	5
56	The Engineer in charge, HPT AIR, Khampur, Nangli, New Delhi.	Office Building	-	214,928	1074.64	2,077,200	10
57	XEN (SDW) XII, Rithala Treatment Plant, Sec-11, Near Rithala Metro Station, New Delhi.	Office Building	-	220,000	1100	141,840	1
58	Administrative officer (Works), Phytotron Facility Complex, IARI Pusa, New Delhi.	Educational Institute	-	225,000	1125	1,202,040	5
59	Medical Superintendent, Acharya Shri Bhikshu Govt Hospital,	Hospital	-	225,800	1129	875,232	4



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Moti Nagar, New Delhi.						
60	The Director, NISCAIR, Dr. KS Krishnan Marg, New Delhi.	Educational Institute	-	238,952	1194.76	396,000	2
61	The Director, National Bureau of Plant Gene Resources, IARI Pusa, New Delhi.	Educational Institute	-	240,000	1200	1,828,368	8
62	Executive Engineer (E&M) 40MGD Water Treatment Plant, Kamrudin Nagar, New Delhi.	Office Building	-	255,000	1275	4,629,240	18
63	The University Engineers, Delhi University Faculty, Delhi.	Educational Institute	-	259,000	1295	1,876,800	7
64	Medical Superintendent, Maharishi Balmiki Hospital, Poothkhurd, Bawana,	Hospital	-	260,000	1300	1,718,280	7

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	New Delhi.						
65	The Administrative Officer, Vallabh Bhai Patel Chest Institute, University of Delhi, Delhi.	Hospital	-	266,200	1331	401,184	2
66	District & Session Judge, District Court, Sector 14, Near Antarishka Appts, Rohini, New Delhi.	Office Building	-	274,200	1371	1,669,200	6
67	Director, Forensic Science Laboratory, Sector 14, Rohini, New Delhi.	Educational Institute	-	282,600	1413	1,131,120	4
68	The Engineer in charge, HPT AIR, Kingsway Camp, New Delhi	Office Building	-	288,600	1443	4,221,360	15

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
69	XEN (E&M) WS/North West, Sewage Pumping Station, TU Block, Opposite City Park Hotel, Pitampura, New Delhi	Office Building	-	289,000	1445	2,621,520	9
70	The Project Director, LBS Centre, National Centre for Plant Biotechnology, IARI, PUSA, New Delhi.	Educational Institute	-	299,352	1496.76	3,151,872	11
71	Medical Superintendent, Bhagwan Mahawir Hospital, H-4/5, Near Pitampura Club, New Delhi.	Hospital	-	306,400	1532	1,635,120	5
72	Divisional Engineer, Tel Exchange, Shakti Nagar, New Delhi.	Office Building	-	307,864	1539.32	3,850,080	13

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
73	XEN (E&M) WS/North West, Delhi Jal Board, Sewage Pumping Station, TU Block, Rohini Sec XI, New Delhi.	Office Building	-	319,800	1599	852,480	3
74	Deputy Secretary (E&M), National Agriculture Science center, Office Block, Pusa Campus, New Delhi	Educational Institute	-	320,000	1600	2,683,800	8
75	Chief Medical Officer, Dept. of Health Service, Dr. BSA Hospital, Rohini, Sec-6, New Delhi.	Hospital	-	340,000	1700	4,138,560	12
76	The Superintendent Engineer SDW, XEN (E&M) Delhi Jal Board, NSTP Coronation Pillar, New Delhi.	Office Building	-	343,102	1715.51	2,271,240	7

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
77	The Director, National Physical Laboratory, Dr KS Krishnan Marg, New Delhi.	Educational Institute	-	382,600	1913	3,396,240	9
78	Garrison Engineer (R&D), DRDO Substation, Lucknow Road, Timarpur, Delhi.	Office Building	-	384,000	1920	5,001,480	13
79	The Medical Superintendent, Hindu Rao Hospital, Delhi.	Hospital	-	402,106	2010.53	4,021,200	10
80	The Superintendent (Medical), ESI Hospital, Rohni, Sec-15, Delhi-85.	Hospital	-	430,000	2150	1,385,280	3
81	SEFO/PS Near Kishangan Railway Station, Delhi.	Office Building	-	448,000	2240	6,812,304	15

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
82	AGM (A) MTNL, Telephone Exchange Rohini, Sec-3, Delhi.	Office Building	-	462,440	2312.2	1,443,240	3
83	ESIC Hospital, Basai Darpur, Delhi-110015.	Hospital	-	478,150	2390.75	3,967,200	8
84	Ex Engineer (E&M) SDW XII, Delhi Jal Board, Sewage Pumping Station, TU Block, Rithala, Rohini Sec-XI, Delhi.	Office Building	-	484,908	2424.54	6,709,680	14
85	Ex Engineer E&M, DJB, C/o Chandrawal Water Works No I, Civil Lines, Delhi.	Office Building	-	495,672	2478.36	11,899,584	24
86	XEN (E&M) II, Wazirabad Water Treatment Plant, Delhi Jal Board, Delhi.	Office Building	-	541,800	2709	13,415,400	25

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
87	XEN (E&M) II, Wazirabad Water Treatment Plant, Delhi Jal Board, Delhi.	Office Building	-	559,950	2799.75	12,312,576	22
88	Garrison Engineer (R&D), Lucknow road New Delhi.	Office Building	-	648,000	3240	10,237,680	16
89	Garrison Engineer (R&D), Lucknow Road New Delhi, Defence Science Lab, Metcalf house, Delhi.	Office Building	-	685,400	3427	3,789,000	6
90	The Chief Engineer W/CO, C/o Chandrawal Water Works No I, Civil Lines, Chandrawal P/House No. 2, New Delhi.	Office Building	-	753,400	3767	18,069,696	24
91	General Manager, Mother Dairy, Central Dist. Facility Fruit, Mangolpuri New Delhi.	Office Building	-	800,800	4004	11,584,800	14

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
92	Addl General Manager-Maintenance, Office of GM/O & M, Delhi Metro Rail Corporation, DMRC Substation, Rithala, Delhi.	Office Building	-	850,000	4250	28,032,300	33
93	Superintendent Engineer, HPT AIR, Khampur, Nangli, Delhi.	Office Building	-	886,400	4432	9,951,120	11
94	Principal, Delhi College of Engineering, Bawana Road, Delhi-62.	Educational Institute	-	977,960	4889.8	3,626,640	4
95	XEN (E&M) II, Wazirabad Water Treatment Plant, Delhi Jal Board, Delhi.	Office Building	-	1,625,000	8125	33,751,800	21



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
96	Addl General Manager-Maintenance, Office of GM/O & M, Delhi Metro Rail Co., CKT I & II, Kashmere Gate, Delhi-06.	Office Building	-	1,870,000	9350	34,151,400	18
97	The Executive Engineer, Haiderpur Water Works, Haiderpur, Water Treatment Plant Haiderpur, Delhi.	Office Building	-	2,000,800	10004	62,463,600	31
98	Div Rly Manager (TR-D), Northern Railway, DMRC office, DS-DC Narela Rly Station, Narela, Delhi.	Office Building	-	4,250,000	21250	54,675,000	13
<b>BSES-Rajdhani</b>							
99	VSNL Opposite. Savitri Cinema, Greater Kailash I, New Delhi - 110048.	Office Building	-	300,000	1500	6,173,520	21

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
100	The Divisional Engineer Telephone Exchange, MTNL, Nehru Palace, New Delhi - 110 019.	Office Building	-	400,000	2000	5,108,760	13
101	The General Manager Hi Tech. Vocational Training. Okhla Industrial. Area, Phase - II, New Delhi - 110 020.	Educational Institute	-	114,818	574.09	346,176	3
102	The Industrial Finance Corporation F C I Tower 61, Nehru Place, New Delhi-19.	Office Building	-	758,460	3792.3	4,901,040	6
103	M/s Videsh Sanchar Nigam Ltd. TCIL Bhawan, Greater Kailash I, New Delhi.	Office Building	-	128,142	640.71	791,136	6
104	General Engineering Corporation Phase - III, New Delhi - 110 020,	Office Building	-	120,000	600	1,089,504	9

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
105	Office of Superintendent Engineer, Delhi Jal Board, B2 Main Booster Pumping Station, Janakpuri, New Delhi-58.	Office Building	-	344,820	1724.1	1,392,120	4
106	Jamia Hamdard (Deemed University), Hamdard Nagar, New Delhi-110062.	Educational Institute	-	275,720	1378.6	4,907,040	18
107	Sr. Divisional Engineer (elect) Sr. Section engineer, Northern Railway Colony, Tughlakabad, New Delhi-44.	Office Building	-	280,000	1400	3,892,320	14
108	Sr. Divisional Engineer (elect) Sr. Section engineer, Northern Railway Colony Tughlakabad, New Delhi-44.	Office Building	-	218,000	1090	2,338,560	11

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
109	Deputy Registrar (e) J N U Ex. Engineer Asian Div-I C.P.W.D. Room no.-8 Admin. Block JNU Delhi.	Educational Institute	-	100,000	500	1,980,144	20
110	X.E.N. (e) ECD/IV CPWD Pushpa Bhawan Room No 102, New Delhi-62.	Office Building	-	302,700	1513.5	1,206,144	4
111	Deputy Chief Accounts Officer Delhi Transport Corporation, I.P. Estate, New Delhi-110002.	Office Building	-	211,784	1058.92	694,800	3
112	The Commandant, BSF Signal Training School, New Delhi - 110 062.	Office Building	-	104,140	520.7	1,186,848	11
113	The Medical Superintendent E.S.I. Hospital, Shri Mayanand Mayee Marg,	Hospital	-	416,000	2080	1,697,760	4

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Okhla, Delhi.						
114	Divisional Engineer (Ewsd) Tuglakabad Telephone Exchange 51-C, Tuglakabad Ind.Area New Delhi-110062	Office Building	-	100,000	500	929,448	9
115	Asst Con Gen Of Pat Des & T M Intellectual Property India, Plot No.32, Sec.14, Dwarka New Delhi-110075	Office Building	-	162,600	813	1,045,200	6
116	Dy Chief Engineer (E), DSIDC Ltd, Technical Building, Wazirpur Ind. Area, New Delhi-110052,	Office Building	-	101,652	508.26	385,488	4
117	Director, Monitoring Centre, National Technical Research, Aaya Nagar, Delhi.	Educational Institute	-	155,800	779	1,040,400	7

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
118	M/s Indian Oil Corp. Ltd. L.P.G. Bottling plant, Madanpur Khadar, New Delhi.	Public Sector Unit	-	127,562	637.81	1,848,816	14
119	Office of the Ex. Eng (SDW), Kilocari Pumping Station, Lajpat Nagar, Delhi.	Office Building	-	172,190	860.95	619,776	4
120	Office Of Asst Engineer E&M, Okhla Water Works WS & SD, P O Jamia Nagar, New Delhi.	Office Building	-	119,528	597.64	1,485,240	12
121	Executive Engineer (SDW) I, Delhi Jal Board, Government of Delhi, Jal Vihar, Lajpat Nagar, New Delhi-11.	Office Building	-	247,050	1235.25	8,971,200	36

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
122	Executive Engineer (SDW) I Sewage Disposal Works, Kilokori P/Stn Jal Vihar, Lajpat Nagar-I. New Delhi.	Office Building	-	741,400	3707	5,400,000	7
123	Ex. Engineer (E & M), South Delhi Jal Board, Government of Delhi, Greater Kailash, New Delhi-110018.	Office Building	-	130,310	651.55	1,681,776	13
124	Ex Eng Em Cdr (WS&SD), Kilokri Pump Station, Shiv Mandir Marg, Lajpat Nagar, New Delhi.	Office Building	-	306,000	1530	1,183,680	4
125	XEN (E&M) III, Chandrawal Water Works, N.B.P. STN, Okhla, Delhi.	Office Building	-	229,952	1149.76	5,755,392	25

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
126	A.E.(E & M), Delhi Jal Board, Okhla Sewage Treat Plant, Mathura Road, Near Apollo Hospital, Delhi.	Office Building	-	280,000	1400	2,523,960	9
127	Executive Engineer (E & M), S D W, Okhla Sewage Disposal Work, Mathura Road, New Delhi.	Office Building	-	890,000	4450	13,143,600	15
128	Addl. Director, CRPF Group Centre, Jharoda Kalan, New Delhi.	Office Building	-	108,758	543.79	391,380	4
129	Ex. Engineer (SDW) VIII Kilokri P/Station, Jal Vihar, Lajpat Nagar, New Delhi-110024.	Office Building	-	370,000	1850	1,013,400	3
130	The Divisional Engineer, Okhla Telephone Exchange,	Office Building	-	149,562	747.81	2,604,096	17



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Mathura Road, New Delhi.						
131	The Joint Manager (Elect), India Trade Promotion Organization, Pragati Maidan, Mathura Road,New Delhi.	Office Building	-	850,000	4250	2,038,080	2
132	The Accounts Officer, Cabinet Secretariat, Bikaner House Annexure, Shahjahan Road, Delhi.	Office Building	-	594,000	2970	6,991,200	12
133	Deputy General Manager, BHEL Integrated Office, Lodhi Road, New Delhi.	Public Sector Unit	-	257,280	1286.4	2,894,640	11
134	Executive. Engineer. (e) Electrical Construction div. CPWD, Block-13, Lodhi Road Complex Delhi.	Office Building	-	987,092	4935.46	12,096,000	12
135	Executive. Engineer. (e) Constt. Electric Construction,	Office Building	-	712,378	3561.89	7,265,520	10

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	D-1, Block 13 C.G.O. Complex, Lodhi Road, New Delhi.						
136	Secretary , Sports Authority Of Jawaharlal Nehru Stadium, Lodhi Road Complex, New Delhi.	Stadium	-	600,000	3000	2,756,160	5
137	The Executive Engineer, Division No ED-XI, DDA (Press/Sub Station Building), Vikas Sadan, Delhi.	Office Building	-	208,490	1042.45	2,015,520	10
138	Standing Conference Of Public Enterprises, Scope Complex -7, Pragati Vihar, Lodhi Road, New Delhi-110003.	Office Building	-	801,890	4009.45	8,436,960	11
139	Ex Eng Head Works, D 4, Agra Canal Okhla, Kalndi Kunj Picnic Spot, New Delhi-25.	Office Building	-	100,000	500	373,392	4

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
140	Asstt Engineer (Elect), Air India Radio C.C.W, 1st floor Soचना Bhawan, C.G.O. Complex, Lodi Road Delhi.	Office Building	-	275,600	1378	1,428,240	5
141	Joint Director, Engineering Section, Department Of Electronics, 6, C.G.O. Complex, Lodhi Road, New Delhi.	Office Building	-	509,000	2545	4,089,960	8
142	The Executive Engineer (SDW) XII, Kilokori Pumping Station, Jal Vihar, Lajpat Nagar, New Delhi.	Office Building	-	204,000	1020	2,181,600	11
143	C-DOT, Mandi Gaun Road, Opp.New Mangla Pur,i Chattarpur, New Delhi.	Office Building	-	510,000	2550	7,073,280	14

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
144	IFFCO Sadan C-1, Distt Centre, Saket, New Delhi.	Office Building	-	240,000	1200	2,000,640	8
145	IRCON International Ltd, Lot C-4, Distt Centre, Saket, New Delhi.	Office Building	-	296,000	1480	1,982,160	7
146	Sr. Divisional Elect. (Eng.)/g, (Power Supply) Northern Railway, Hazrat Nizamudin Railway Station New Delhi.	Office Building	-	113,980	569.9	918,144	8
147	Sr. Divisional Electrical (Eng.) Section Engg, (Power Supply) Northern Railway, Hazrat Nizamudin Railway Station. New Delhi.	Office Building	-	160,980	804.9	953,856	6

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
148	S.E. Govt. Of India (Min. of Science), I C G E B, Aruna Asaf Ali Road, New Delhi-110067.	Office Building	-	416,320	2081.6	4,283,280	10
149	The Director (p & a), I.C.S.S.R. , Aruna Asaf Ali Marg , Post Box No-10528 New Delhi.	Educational Institute	-	167,000	835	739,584	4
150	Executive Director, India Habitat Centre, Lodhi Road, New Delhi-3.	Office Building	-	1,700,000	8500	15,082,560	9
151	Divisional Engineer (I/D), Mahan agar Telephone Nigam, 5, E.S.S. Switch Room, 9,CGO Complex, New Delhi.	Office Building	-	787,550	3937.75	6,102,720	8

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
152	Resident Engineer (E&M), NBCC Ltd. Pragati Vihar, Bhisham Pitama Marg, New Delhi.	Office Building	-	194,400	972	1,493,136	8
153	Delhi Society For The Welfare, D.S.W.M.R.C, Okhla Center, MCT House, Opp Holy Family, Delhi.	Office Building	-	120,000	600	84,240	1
154	The Ex. Engineer (SDW) V, DJB Ring road Pumping Station, Opp Maharani Bagh, New Delhi.	Office Building	-	330,000	1650	166,560	1
155	National Science Centre, Pragati Maidan, Bhairon Road, New Delhi.	Auditorium	-	100,000	500	700,416	7
156	Nursing Advisor, Director General Of Health Services, Ring Road, Srinivas Puri,	Office Building	-	581,600	2908	1,375,920	2

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	New Delhi.						
157	Executive Engineer (E&M), Delhi Jal Board, 12/4, Varun Niketan, Pitampura, New Delhi.	Office Building	-	125,000	625	925,200	7
158	Sr. Div. Electrical Engineer. (TRD), State Entry Road, New Delhi-110055.	Office Building	-	2,550,000	12750	23,702,400	9
159	M/s Engineers India Ltd, E I House Bhikaji Cama Place, R K Puram, New Delhi.	Office Building	-	759,400	3797	5,231,520	7
160	Punjab National Bank, Gen. SERV. Admn. Div no 7, Bhikaji Cama Place, Plot No.7, New Delhi.	Bank Office	-	342,010	1710.05	3,346,560	10

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
161	M/S Engineers India Ltd, House Annexa Building, 2-B Bhikaji Cama Place, New Delhi.	Office Building	-	370,040	1850.2	3,036,000	8
162	Chief (Re & W), Plot 26, Bhikaji Cama Place Of Poverty Allevation, New Delhi.	Office Building	-	126,290	631.45	504,864	4
163	Asstt. Engineer (E&M) IV, Deer Park Booster P/Station, Hauz Khas, New Delhi.	Office Building	-	387,616	1938.08	4,456,080	11
164	Assistant Resident Eng Engineer, Indian Institute Of Technology, Hauz Khas, New Delhi-110016.	Educational Institute	-	832,360	4161.8	15,236,640	18
165	Secy. N.C.E.R.T, N C E R T Campus & Welfare, Section, Room-No 11, Z.H. Khund,	Educational Institute	-	120,264	601.32	1,775,808	15



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	New Delhi-110016.						
166	The Executive Engineer (Elect) Electrical Divn- No 9 East, Block No 3 CPWD Sector 7, R K Puram, N Delhi 110002.	Office Building	-	316,000	1580	4,611,600	15
167	The Executive Engineer (Elect), Division V, C.P.W.D., Sewa Bhawan Level IX, R.K. Purum, New Delhi.	Office Building	-	600,000	3000	6,270,480	10
168	Administrative Officer, Dept of Science & Technology, Plot No 1, New Mehrauli Road, New Delhi 110016.	Educational Institute	-	263,980	1319.9	1,994,400	8
169	Director, C W & P C C.S.M.R.S. Old Palm Marg,	Office Building	-	219,612	1098.06	1,243,296	6

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Near I.I.T. Hostel, Hauz Khas, New Delhi-16.						
170	Dy Registrar JNU, New Mehrauli Road, New Delhi -110067.	Educational Institute	-	434,378	2171.89	6,826,368	16
171	Asstt Engineer Phones XI, Telephone Exchange Hauz Khas, New Delhi	Office Building	-	140,620	703.1	2,263,104	16
172	XEN Elect, Elect Div No 5, 8th Floor Sewa Bhawan, R K Puram, New Delhi.	Office Building	-	516,200	2581	3,854,880	7
173	The Secretary General, Punjab Haryana & Delhi, Chambers of Commerce. & Industry, House Opposite Asian Games Village, Delhi.	Office Building	-	104,786	523.93	1,000,872	10
174	Dy. Controller, G.S. Department,	Airport	-	114,500	572.5	1,501,056	13

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Indian Air Lines, IGI Airport, New Delhi.						
175	Asst. Engineer Electrical, Civil Const. Wing (Air), Asian Games Village, Sir fort Auditorium, Delhi-49.	Office Building	-	218,400	1092	1,212,768	6
176	Executive Engineer (Electrical Div II), The Station Director Central, Production Centre, Doordarshan, Khel Gaon, New Delhi-110049.	Office Building	-	353,034	1765.17	3,747,840	11
177	Member Secretary, Northern Region, Elec Boar, 18A, Shaheed Jit Singh Marg, Katwaria Sarai, Delhi.	Office Building	-	164,894	824.47	1,169,712	7

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
178	Sr Controller Of Admn, N.I.S.C.I.R, 14 Satsang, Vihar Marg, Qutab Industrial Area, New Delhi-110067.	Office Building	-	230,400	1152	1,387,800	6
179	The Secretary, Indian Institute Of Foreign Trade, B 21, Qutub Institutional Area, New Delhi 11.	Educational Institute	-	170,000	850	1,356,480	8
180	The Administration, National Institute Of Immunology, J N U Complex, New Delhi.	Educational Institute	-	367,600	1838	7,237,440	20
181	Executive Engineer, University of Delhi, South Campus Benite Joure, Dhaura Kuan, New Delhi.	Educational Institute	-	426,000	2130	5,062,800	12

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
182	M/S Baharat Heavy Electronics, BHEL House Asian Games VI, Sri-Fort, Delhi.	Public Sector Unit	-	242,400	1212	2,681,640	11
183	Dir. Nuclear Science Centre, J N University Campus, Post Box 10502, New Delhi 110067.	Educational Institute	-	297,888	1489.44	6,621,744	22
184	Dy. G.M, Gas Authority of India, 16 Bhikaji Cama place, New Delhi-66.	Public Sector Unit	-	227,020	1135.1	2,800,800	12
185	Executive Engineer (electric), Electrical Division No XI, Siri Fort Sports Complex, New Delhi.	Office Building	-	102,016	510.08	674,352	7
186	Dy Director Design, Army Group Insurance Fund, Agriculture Bhawan, Rao Tula Ram M,	Office Building	-	107,764	538.82	401,184	4

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	P O Box 14, Vasant Vihar, Delhi.						
187	Executive Engineer (elect), A.I.I.M.S. New Delhi-110029.	Hospital	-	286,000	1430	1,233,120	4
188	Executive Engineer (e), Elect Division IX CPWD, R.K. Puram, New Delhi.	Office Building	-	111,636	558.18	512,496	5
189	Executive Director, National Institute Of Fashion Technology, NIFT Campus, Gulmohar Park, New Delhi.	Educational Institute	-	152,000	760	1,257,408	8
190	Assistant General Manager (Admin), MTNL Telephone Exch. Bldg, 8, Bhikaji Cama Place, New Delhi-110066.	Office Building	-	508,800	2544	4,756,320	9

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
191	The Chief Project (HUDCO), Executive Director, Andrews Ganj, New Delhi.	Office Building	-	624,000	3120	1,350,720	2
192	The Project Co-ordinator, HUDC, Bhavishva Nidhi Bhawan, 14, Bhikaji Cama Place, New Delhi-110066.	Office Building	-	407,000	2035	1,595,160	4
193	I O C Ltd , Community Centre, Yusaf Sarai, New Delhi-110016.	Public Sector Unit	-	352,000	1760	2,525,280	7
194	Chief Manager (elect), Power grid Corporation. Of India, B-9, Qutab Industrial Area, Katwaria Sarai, New Delhi.	Public Sector Unit	-	101,400	507	1,028,952	10
195	Director Police Telecommunication, Director Of Coordination,	Office Building	-	102,200	511	1,206,864	12

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Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Police Wireless Samanauay, Siri Fort Road, New Delhi.						
196	The Registrar, Jawahar Lal Nehru University, J.N.U. Campus, Delhi.	Educational Institute	-	353,474	1767.37	6,663,240	19
197	Foundation For Applied Research In Cancer, B-33, 34 Qutab Ind Area, New Delhi-110016.	Hospital	-	200,000	1000	1,604,016	8
198	Indian Oil Corporation, Corporate Office, J B Tito Marg, Sadiq Nagar, New Delhi.	Public Sector Unit	-	188,000	940	1,907,136	10
199	National Institute For Plant Genome Research, JNU Campus, Aruna Asaf Ali Marg, New Delhi-110067.	Educational Institute	-	214,176	1070.88	3,628,080	17



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
200	Director, Asstt Resident Engg. (Electrical), R No 129, Admin Block, IIT, Hauz Khas, New Delhi -16.	Office Building	-	200,000	1000	1,661,040	8
201	Chief Engineer, Centaur Hotel, Delhi Air Port, Delhi Gurgaon Road, N Delhi.	Hotel	-	990,516	4952.58	6,259,680	6
202	Chief Operation Manager, IOC Ltd,M-J-Pine Line, Delhi Installation P.O.- Bijwasan, Delhi- 61.	Public Sector Unit	-	630,000	3150	4,733,100	8
203	Executive Engineer. Air Port Main, Elect Div.-2, Indra Gandhi International Air Terminal 2, Gurgaon Road, New Delhi.	Office Building	-	4,136,854	20684.27	88,652,160	21
204	Joint Director, NCERT Complex, Aurbindo Marg, Mehrauli,	Educational Institute	-	123,200	616	572,184	5

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	New Delhi.						
205	Registrar, Indira Gandhi Nation, Open University, Room-18, Block-4, Maidan Garhi Campus, New Delhi - 110 068.	Educational Institute	-	825,372	4126.86	5,246,640	6
206	Videsh Sanchar Nigam Ltd., Wireless Stationn. Mandi Road, P.O-Mehrauli, Chattarpur, New Delhi - 110 030	Office Building	-	400,000	2000	4,277,160	11
207	Ex Engineer (e & m) W C I, Ex Eng. (E & M) Water, M.C.D. Najafgarh, (R.W.S.) New Delhi.	Office Building	-	154,700	773.5	1,101,744	7
208	The Commandant, 25 Battalion, BSF, Chawla Camp, New Delhi.	Office Building	-	105,000	525	1,771,344	17

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
209	Delhi Transco Ltd, 400 KV Grid Sub-Station, Bamnauli New Delhi.	Office Building	-	103,800	519	1,260,000	12
210	Police Training School (PTS), Jharoda Kalan, New Delhi.	Educational Institute	-	100,000	500	585,252	6
211	Indian Oil Corp. Ltd, Bottling Plant Ghevra Mod, Tikri Kalan, Delhi.	Public Sector Unit	-	262,320	1311.6	1,611,792	6
212	Executive Engineer (E & M), 40, MLD Water Treatment Plant Kamrudin Nagar, Kamruddin Nagar Nangloi, Delhi.	Office Building	-	560,400	2802	4,500,000	8
213	Ex. Engineer (SDW), Sector 16 D, Papankala, Dwarka, New Delhi.	Office Building	-	155,692	778.46	129,960	1

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
214	Executive Engineer (SDW) VI, Delhi Jal Board WSTP, Keshopur, New Delhi-110018.	Office Building	-	240,000	1200	1,489,200	6
215	The Installation Manager, Indian Oil Corporation Ltd, Shakurbasti, Delhi 110056.	Public Sector Unit	-	128,298	641.49	608,688	5
216	M/S Hindustan Petroleum Corp Ltd, Shakur Basti, New Delhi.	Public Sector Unit	-	111,614	558.07	462,816	4
217	Sr.Divisional Elect. (Eng.)/G, Electrical Branch DRM Office, Near New Delhi Railway Station, New Delhi-110001.	Office Building	-	101,200	506	784,512	8
218	Executive Engineer (E & M) HPI, Delhi Jal Board, Government of Delhi, NCT,	Office Building	-	731,560	3657.8	7,059,240	10

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Haiderpur Water Works, Delhi-110085.						
219	Ex. Eng. (E & M) Water North, D J B, Club Road, Punjabi Bagh Booster P STN, Delhi.	Office Building	-	215,162	1075.81	1,036,800	5
220	Ex. Eng (E & M) W North, Water & Sewage Treatment Plant,C-2A, Jankpuri, New Delhi.	Office Building	-	345,400	1727	2,361,240	7
221	Asst Engineer (Phones) Power Room, Old Exchange Building, Rajouri Garden, Telephone Exchange, New Delhi-27.	Office Building	-	293,736	1468.68	5,784,480	20
222	The Divisional Commissioner, 5,Shyam Nath Marg, Ludlow Castle,	Office Building	-	243,100	1215.5	4,971,960	20

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Delhi.						
223	Asstt Engineer (E & M), West Zone, Booster Pumping Station, C-Block, Vikas Puri, New Delhi	Office Building	-	287,800	1439	1,529,520	5
224	Dy. Commissioner of Police, IIIrd Batalion, D.A.P, Vikas Puri, New Delhi.	Office Building	-	120,000	600	338,400	3
225	Executive Engineer (E & M), Water Treatment Plant, Haiderpur, New Delhi-85.	Office Building	-	342,000	1710	8,756,640	26
226	The Suptdt Distt. Jail Tihar, Prison Head Quarters, Near Lajwanti Garden Chowk, Tihar Jail,	Office Building	-	140,000	700	3,598,200	26

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	New Delhi.						
227	New Govt Of India Press, Rewari Line, Ring Road, New Delhi.	Office Building	-	226,972	1134.86	1,126,080	5
228	S D E (BLDG.), Telephone Exchange, A Block, Janakpuri, New Delhi.	Office Building	-	200,000	1000	3,141,072	16
229	D. I. G. of Prisons, Prison Head Quarters, Near Lajwanti Garden Chowk, Tihar Jail, New Delhi.	Office Building	-	111,400	557	1,634,400	15
230	The D.I.G. (Prison), Prisons Head Quarters, Near Lajwanti Garden Chowk, Tihar Jail, New Delhi.	Office Building	-	171,066	855.33	1,952,712	11

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
231	Sr. Div. Manager, LIC of India Delhi, Jeevan Parvah Building, Janak Puri, New Delhi-58.	Office Building	-	135,000	675	682,200	5
232	M/S Divisional Engineer, M.T.N.L., Hari Nagar, New Delhi.	Office Building	-	200,000	1000	3,360,480	17
233	M/s Regional P.F. Commissioner, National Institute for Training Social Security, 30-31, Area- D Block, Janak Puri, New Delhi.	Educational Institute	-	167,600	838	334,080	2
234	The Hony. Secretary. , Vasundhra Apptt. Plot-16 Sect.6, Pappan Kalan, Dwarka, New Delhi-11.	Office Building	-	277,000	1385	716,760	3
235	Secretary, Ministry of Rural Development, Plot no-20. Sec-6, Dwarka,	Office Building	-	243,400	1217	539,856	2



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	New Delhi						
236	The Secretary, S.S.C. Employees CGHS, Plot-no 3, sec-v, Dwarka, New Delhi.	Office Building	-	183,416	917.08	489,168	3
237	Rashtrapati Bhawan, Cabinet Affairs, CGHS 1, Plot no.3, Sec.-10, Dwarka Ph-I, New Delhi-11.	Office Building	-	215,700	1078.5	749,880	3
238	M/s Executive. Engineer (E) DDA, Electrical Div. 12 Central Nursery Sec-5, Dwarka New Delhi-75	Office Building	-	154,440	772.2	536,400	3
239	The Director, Netaji Subhash Institute Of Technology, Sec-III Dawarka , Papanlala, Delhi-45.	Educational Institute	-	127,500	637.5	2,133,360	17

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
240	Assistant Inspector General Works, SPG Complex Sec-8, Papankalan, New Delhi	Office Building	-	100,000	500	5,201,280	52
241	General Manager, National Highways Authority, India G-5 & 6, Sector-10, Dwarka, New Delhi.	Office Building	-	325,284	1626.42	2,100,960	6
242	The Director, Netaji Subhash Institute of Technology Azad Hind Fauz, Sector-3, Dwarka, New Delhi.	Educational Institute	-	321,800	1609	1,144,800	4
243	M/S Director General CCRT, Centre For Cultural Resource and Training B no-15A, Sec-7, Dwarka, New Delhi-75	Educational Institute	-	126,428	632.14	516,240	4

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
244	Hony. Secretary, External Affairs Co-op., Housing Society Ltd., Panchsheel Apptt. New Delhi-45.	Office Building	-	354,100	1770.5	4,569,600	13
245	Authorized Signatory, Hum Sub C.G.H.S. Ltd., Plot No. 14 Sec.4, Dwarka, New Delhi.	Office Building	-	230,000	1150	0	0
246	Executive Enginner (E), Sdw-Viii, Delhi Jal Board, Sec 16-D, 20 Mgd, S.T.P Dwarka New Delhi-110045.	Office Building	-	172,400	862	391,680	2
247	Executive Engineer (E-W), Telephone Exchange Building, Hari Nagar, New Delhi.	Office Building	-	121,000	605	785,232	6
248	National Board Of Examination,	Office	-	129,000	645	547,344	4

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Sector -9 Psp Area, Dwarka, New Delhi.	Building					
249	Divisional Engineer, Telephone Exchange Building, Pocket 20 D, Dwarka.	Office Building	-	102,000	510	574,992	6
<b>BSES-Yamuna</b>							
250	Sr. Div. Elect. Eng. /g, Electrical Branch DRM Office, Near New Delhi Railway Station, S.E. Road, New Delhi.	Office Building	-	538,596	2692.98	12,192,480	23
251	Sr. Div. Elect. Eng./g, Elec. Branch DRM Office, Near New Delhi Railway Station, S.E. Road, N. Delhi-01.	Office Building	-	219,952	1099.76	4,410,360	20

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
252	The Registrar, Guru Gobind Singh Indraprastha University, Kashmere Gate.	Educational Institute	-	484,454	2422.27	2,211,600	5
253	Sr Div Electrical Engineer, Northern Railway, State Entry Road, New Delhi.	Office Building	-	154,500	772.5	24,886,080	161
254	The World Health Organization Bldg, Indraprastha Estate, New Delhi 110002.	Office Building	-	201,948	1009.74	1,735,920	9
255	Ex. Engineer (elect.) Division, DDA, 21st Floor Vikas Minar I.P. Estate, New Delhi-110002	Office Building	-	139,460	697.3	1,011,168	7
256	The Peerless General. Finance. & Investment. 6 & 7, Aruna Asaf Ali Road, New Delhi-11002.	Office Building	-	100,356	501.78	369,936	4

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
257	XEN (E) Electrical I P Bhawan, Vth Floor, Marginal Bandh, I.P. Estate, New Delhi.	Office Building	-	136,000	680	970,704	7
258	The Executive Engineer, U.P.W.S. Div. CPWD, U-6 Pandit Pant Marg, New Delhi-110001.	Office Building	-	440,600	2203	3,308,160	8
259	Office of XEN E&M North, Astt. Eng. (E&M) II MCD, Rose Garden Pumping Station,I. G. Stadium Delhi	Office Building	-	128,354	641.77	474,048	4
261	Manager (p-III), Pragati Power Corporation Ltd., 220 kV Station. Building, I.P. Extension, Ring Road. New Delhi-02	Office Building	-	122,000	610	772,560	6
262	Medical Superintendent, G B Pant Hospital, New Delhi - 110 002.	Hospital	-	409,032	2045.16	3,971,880	10

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
263	Maulana Azad Medical College, Mathura Road, New Delhi.	Educational Institute	-	214,900	1074.5	3,504,960	16
264	Office Of The Controller & Auditor General Of India, 10, Bahadur Shah Zafar Marg, New Delhi-110002.	Office Building	-	213,334	1066.67	1,258,848	6
265	Accounts Officer Welfare, Director General Of Audit, Central Revenues, II Floor, DGCR Bldg, I. P Estate, NewDelhi-02.	Office Building	-	146,148	730.74	980,880	7
266	The Executive Engineer Electrical, Electrical Divisions No 4, CPWD,I P State, I P Bhawan, New Delhi 110002.	Office Building	-	249,192	1245.96	1,840,896	7
267	The Income Tax Officer, H Q Administration C R B, Indraprastha Marg,	Office Building	-	218,216	1091.08	2,743,920	13

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	New Delhi.						
268	The Assistant Director, Section Officer, Manakalaya Building, Bank of India, B. S. Zafar Marg, New Delhi.	Office Building	-	139,600	698	1,088,640	8
269	The Manager, Govt Of India Press, Minto Road, New Delhi.	Office Building	-	183,038	915.19	1,176,768	6
270	The Medical Superintendent, L N J P Hospital, New Delhi,	Hospital	-	548,456	2742.28	8,809,920	16
271	The Asst Engineer E II, PWD Elect Division No IX, Sub Station MSD Building, I P Estate, New Delhi.	Office Building	-	378,928	1894.64	5,107,920	13
272	The Administrator, IG Sports Complex, Coaching Block I G	Stadium	-	1,100,000	5500	2,136,240	2



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Stadium, IP Estate, New Delhi.						
273	The Secretary General, Inst. of Town Planner India, 4A-4 I P Estate, New Delhi-110002.	Office Building	-	118,800	594	928,944	8
274	Sr. Div. Elect. Eng. /g, Elect. Branch DRM Office Near New Delhi Railway Station,S.E. Road, New Delhi-01	Office Building	-	111,600	558	2,703,528	24
275	Director, Guru Nanak Eye Centre, Ranjit Singh Marg, New Delhi.	Office Building	-	159,092	795.46	774,144	5
276	The Principal Zakir Hussain College, J.L.N. Marg, New Delhi-11	Educational Institute	-	169,600	848	303,120	2

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
277	The Medical Superintendent, G B hospital, New Delhi-2.	Hospital	-	450,000	2250	4,346,640	10
278	The Director, Institute for Physically Handicapped, 4 Vishnu Digamber Marg, New Delhi-110002.	Educational Institute	-	149,708	748.54	580,608	4
279	The Executive Secretary, Indian National Science, A, 2, Bahadur Shah Zaffar Marg, New Delhi.	Educational Institute	-	198,620	993.1	738,720	4
280	Ex. Engineer (elect.), Players Bldg Project (PWD), Indra Gandhi Stadium, New Delhi.	Office Building	-	850,000	4250	5,978,160	7
281	Dy Chief Elect Engineer Mc, C/O AGM (Maintenance), DMRC Ltd, DMRC Train Depot,	Office Building	-	3,400,000	17000	4,402,200	1

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Shastri Park, Delhi-53.						
282	Principal, Maulana Azad Dental College Hospital, Bahadurshah Zafar Marg, New Delhi-02.	Educational Institute	-	172,400	862	637,344	4
283	SDE (RSU), MTNL Telephone Exchange Building, Minto Road, New Delhi - 110002.	Office Building	-	274,886	1374.43	5,502,720	20
284	General Secretary, M/S DDCA, Ferozshah Kotla Stadium, New Delhi-110002.	Stadium	-	135,000	675	-	#VALUE!
285	Medical Superintendent, Lok Nayak Hospital- II, Jawaharlal Nehru Marg, New Delhi - 110002.	Hospital	-	800,000	4000	-	#VALUE!

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
286	AE Phones Technical, Idgah Telephone Exchange, New Delhi 110005.	Office Building	-	200,000	1000	3,045,600	15
287	The General Manager, D.M.S. West Patel Nagar, New Delhi.	Office Building	-	871,182	4355.91	9,108,012	10
288	X E N E&M I Ws & Sdu M C D, Chadrawal Water Works, No I Civil Lines, DJB, New Delhi - 110 054.	Office Building	-	163,584	817.92	2,260,224	14
289	Chief Engineer (E&M) I, Chandravall Water Works-1 Civil Lines, Delhi-110054.	Office Building	-	208,850	1044.25	3,374,496	16
290	Executive Engineer (E&M) Delhi Jal Board, E-39 Connaught Place New Delhi.	Office Building	-	113,300	566.5	547,920	5
291	Shri M L Kureel, A E XM-2 Mec Karol Bagh, Tele Exchange New	Office Building	-	275,600	1378	4,724,280	17

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Building, New Delhi.						
292	Gen. Manager. N.B.A.R.D. 24, Rajender Place, New Delhi-110005.	Office Building	-	106,000	530	386,784	4
293	Medical Superintendent, 50-Bedded Hospital, Patel Nagar Colony, East Patel Nagar, New Delhi-08	Hospital	-	148,400	742	482,544	3
294	Executive Engineer (E & M) SDW IV, Delhi Jal Board, Kondli, Maharani Bagh, Delhi-110096	Office Building	-	159,078	795.39	1,485,216	9
295	M/s. Institute. of Human Behavior and Allied Science , Shahadara Delhi-110095,	Educational Institute	-	283,782	1418.91	2,898,360	10

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
296	Medical Superintendent, Swami Dayanand Hospital, Shahdara Delhi-110032.	Hospital	-	110,840	554.2	1,800,000	16
297	Medical Superintendent, ES/C Hospital Jhilmil, Delhi- 32	Hospital	-	253,492	1267.46	1,468,368	6
298	Central Board For Prevention and Control of Water Pollution, East Arjun Nagar, Shahdara, New Delhi	Office Building	-	151,956	759.78	886,896	6
299	District Session Judge, Delhi Tis Hazari Court Co, Delhi-54	Office Building	-	319,796	1598.98	2,536,656	8
300	Ex. Engineer (elect.) 10, EXE. Engg. (E & M) S-II, D.J.B. Govt. Of Delhi. Dilshad Garden, Shahdara Delhi.	Office Building	-	142,340	711.7	411,696	3

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
301	Director, Health Services, Govt. Of NCT of Delhi, F-17 Karkardooma. New Delhi.	Office Building	-	137,754	688.77	553,680	4
302	Executive Engineer (E), CETP Plant, B Block, Jhilmil Industrial Area, Delhi 95.	Office Building	-	110,000	550	247,248	2
303	The Ex. Engineer (E&M) W&S East, Delhi Jal Board, Geeta Colony Booster Pump Station, Near Tanga Stand, Jheel, Delhi.	Office Building	-	159,000	795	905,760	6
304	The Medical Superintendent, Dr. Hedgewar Arogya Sansthan, Karkardoma, Shahadara Delhi.	Office Building	-	267,600	1338	1,986,480	7

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
305	XEN (E & M) Wc-Ii/Tyr, Delhi Jal Board Chandrawal Water Works-1, Civil Lines, Delhi-110054.	Office Building	-	185,800	929	643,248	3
306	The Executive Engineer (E&M) W&S East, Delhi Jal Board, Geeta Colony Booster Pump Station, Near Tanga Stand, Jheel, Delhi-110031	Office Building	-	246,132	1230.66	1,081,296	4
307	Dean MAMC, 216 Bedded Hospital, Geeta Colony, Delhi	Educational Institute	-	237,300	1186.5	1,358,640	6
308	Ex. Engineer (E &M) Delhi jal board, Chandrawal water work no.1, Civil line, Delhi-110054.	Office Building	-	402,200	2011	-	#VALUE!



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
309	National Dairy Development Board, C/O- General Manager, Mother Dairy, Patparganj, Delhi-110092	Office Building	-	142,598	712.99	2,690,208	19
310	General Manager, Mother Dairy, Patparganj Delhi - 110 092.	Office Building	-	1,086,200	5431	13,828,800	13
311	Asstt Engineer, Laxmi Nagar Telephone Exchange, Near Radhu Palace Cinema, Sahadra, Delhi.	Office Building	-	240,000	1200	3,598,560	15
312	The Secy. CBSE, Shiksha Kendre, 2 Community Center Preet Laxmi Nagar Delhi.	Office Building	-	105,400	527	605,376	6

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
313	The Principal, Ambedkar Memorial Polytechnic, Patpar Ganj, Delhi.	Educational Institute	-	128,452	642.26	438,960	3
314	BAPS Swaminarayan Sanstha, River Front Dev. Scheme, NH-24, New Delhi-110092	Office Building	-	144,000	720	2,206,512	15
315	Principal Secretary, Urban Development, Socio Culture Centre, Laxmi Nagar, New Delhi.	Office Building	-	150,000	750	1,112,688	7
316	Executive Engineer (E & M), WC-II/TYR, Chandrawal Water Works No.1 Civil Line, New Delhi.	Office Building	-	204,800	1024	555,120	3

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
317	General Manager, ISBT Anand Vihar , Anand Vihar Bus Stand, Delhi.	Office Building	-	115,412	577.06	726,840	6
318	XEN (E&M), DJB, WC-II/TYR, Booster Pumping Station Chitra Vihar, New Delhi.	Office Building	-	125,000	625	252,720	2
319	Executive Engineer (E&M), CESIC Building, Kondli Sewage Treatment Plant, Near Dallupura , Delhi-96.	Office Building	-	308,864	1544.32	3,398,760	11
320	Executive Engineer (SDW) IV Delhi Jal Board, Kondli Sewage Treatment Plant, Kondli, Delhi-110096.	Office Building	-	237,800	1189	1,826,400	8
321	Executive Engineer (SDW) IV PWD & SD, Ring Road Pumping	Office Building	-	155,264	776.32	1,828,368	12

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Station, Maharani Bagh, New Delhi-1						
322	Ex. Engineer (elect), D.D.A. Electrical Div. No. I, School Block Shakarpur, Delhi-110092.	Office Building	-	136,420	682.1	204,048	1
323	Executive Engineer (E), Electric Division No. I, M.P. Green Area, Shakarpur, Delhi-110092.	Office Building	-	109,100	545.5	145,296	1
324	Joint Director, D.P.L., Cabinet-Secretariat, Chilla Road, P-IV, Mayur Vihar, New Delhi-91.	Office Building	-	328,552	1642.76	2,996,280	9
325	Medical Superintendent, Lal Bahadur Shastri Hospital, Delhi.	Hospital	-	171,280	856.4	1,176,480	7

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
326	The Ex. Engineer (E&M) W&S East, D.J.B.Govt. Of Delhi, Geeta Colony, B.P/Stn. Jheel,, Delhi.	Office Building	-	217,000	1085	1,031,040	5
327	General Manager, Scope Minar, Plot No- 2a, Laxmi Nagar Distt. Centre, Delhi-110092.	Office Building	-	1,460,000	7300	12,988,800	9
328	Executive Engineer (E&M) Delhi Jal Board, Chandrawal Water Works-1, Civil Line, New Delhi.	Office Building	-	155,800	779	1,516,080	10
329	Mahatta Tower (P) Ltd, Plot-1a Distt Centre, Mayur Vihar Ph-I, Delhi-110091.	Office Building	-	200,000	1000	710,880	4
330	Executive Eng (E &M) Delhi jal board, Chandrawal Water Works No1, Civil Line,	Office Building	-	137,000	685	2,457,840	18

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Delhi.						
331	Executive Engineer (E) V, Manager, Slaughter House, Do Vet Service, Slaughter House Complex, Ghazipur, Delhi-110092	Office Building	-	820,000	4100	658,080	1
332	XEN (E&M)BP, 100 MGD Water Treatment Plant, Gokulpuri, Sahadara, New Delhi.	Office Building	-	1,435,600	7178	26,568,720	19
333	Exe Engineer E&M BP, 100 MDG Water Treatment Plant, Gokulpuri Sahadara, Delhi.	Office Building	-	410,000	2050	2,460,240	6
334	Office of the Ex. Engineer (SDW), Delhi Jal Board, Yamuna Vihar STP, Near Loni Chowk Flyover,	Office Building	-	138,290	691.45	1,108,800	8

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
	Wazirabad Road, Delhi.						
335	Ex. Engineer (SDW) III, Office Yamuna Vihar STP, (Wazirabad Road), Near Loni Fly Over, Delhi.	Office Building	-	143,060	715.3	261,720	2
336	Executive Engineer (E & M) West, North, East (zone) Delhi Lal Board Pkt-A, S/P Stn. Dilsaad.Garden, Delhi-95.	Office Building	-	259,000	1295	1,339,200	5
337	Addl Medical Superintendent, Guru Teg Bahadur Hospital. Medical College, Dilshad Garden, Delhi.	Hospital	-	1,085,000	5425	7,315,920	7

## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
338	XEN (SDW) III, Delhi Jal Board Yamuna Vihar S.T.P. PH-I Near Guru Teg Bahadur Hospital. Medical, Loni Flyover Delhi-110053.	Office Building	-	318,080	1590.4	1,345,920	4
339	Executive Engineer. (SDW) XIII, Yamuna Vihar STP Ph-II, Wazirabad Road, Near Ambedkar Colony, Kardampuri DJB, Delhi-53.	Office Building	-	123,140	615.7	1,849,680	15
340	Executive Engg. (E & M) TYR, 140 MGD WTP, Delhi Jal Board, Sonia Vihar Delhi-110094.	Office Building	-	2,971,000	14855	20,676	0
341	Delhi Metro Corporation Ltd 3rd Fl, NBCC Place, Pragati Vihar, New Delhi-110003.	Office Building	-	200,000	1000	11,404,800	57



## ANNEXURE B: GOVERNMENTAL BUILDINGS SURVEY DETAILS (DELHI)

Sr. No.	Name/Address of the Building	Category	Name/Address of the Architect* (Optional)	Total Covered Area* (Optional)	Sanctioned Load (in kW)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
342	Executive Eng (E & M) West, North, East, DJB Pocket A & B, Dilshad Garden, Delhi 95.	Office Building	-	224,000	1120	1,075,968	5
343	Director, Health Services, 200 Bed Hospital Shastri Park, Near Gautam Puri, Shastri Park, New Delhi-110053.	Hospital	-	218,400	1092	686,640	3
344	Ex Engineer (E&M) Chandrawal Water Works No I Civil Line, Delhi.	Office Building	-	185,000	925	852,912	5
345	Ex. Engineer (E&M) West North East, DJB Pocket A & B, Dilshad Garden, Delhi 95.	Office Building	-	329,400	1647	2,286,576	7

**ANNEXURE C:  
COMMERCIAL BUILDING SURVEY DETAILS (FOR 5  
CLIMATIC ZONE)**

## ANNEXURE C: COMMERCIAL BUILDINGS SURVEY DETAILS

Climatic Zone - Temperate									
Sr. No.	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
1	Sigma Mall, 15, 16, 17 Cunningham Road, Bangalore-52.	Shopping Mall	-	-	120,000	1,500kVA	1,500	3,412,635	28.43
2	Nitesh Times Square, Number-8, M.G Road, Bangalore.	Office Building	Thomas Associates.	-	120,000	1,000 kVA	1,000	7,07,570	5.89
3	Kirloskar Systems, S.Y No 52, 53, 54, Hebbal, Bangalore.	Office Building	-	-	120,000	2,000 kVA	2,000	5,235,340	43.62
4	Sigma Soft Tech Park, Ramagundanahalli, Whitefield, Bangalore.	IT Park	M/S RSP Architects, Bangalore.	-	835,000	1,500 kVA	1,500	6,928,580	8.29
5	MFAR Silver line Tech Park, Plot No-180, EPIP, Whitefield Road, Bangalore.	IT Park	M/S RSP Architects, Bangalore.	-	150,000	1,850 kVA	1,850	621,260	4.14
6	MFAR Manyata Tech Park, Nagawara, Outer Ring Road, Bangalore.	IT Park	M/S RSP Architects, Bangalore	-	800,000	2,700 kVA	2,700	9,083,180	11.99

## ANNEXURE C: COMMERCIAL BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
7	Manyata Embassy Tech Park, S.Y No 116(2A, 2B) 116/4, 116/3, Rachenhally, IBM Block, Nagwara, Bangalore.	IT Park	-	-	600,000	5,000 kVA	5,000	11,349,960	18.9
8	IBM K Block, Incubator Block, Rachenhally, Nagwara Village, Bangalore.	Office Building	-	-	265,000	1,500 kVA	1,500	6018895	22.71
9	Fidelity Block, Manyata Embassy, SY No-24, 26P, 28/3, 28/6, Rachenahally, Bangalore.	Office Building	-	-	320,000	2000KVA	2000	8484300	26.51
10	Infinity, Wing no-3, O.M Road, Bangalore.	Office Building	-	-	240000	2750KVA	2750	4572580	19.05

## ANNEXURE C: COMMERCIAL BUILDINGS SURVEY DETAILS

Climatic Zone - Hot & Dry									
Sr. No.	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
1	Crystal Mall, Bani Park, Jaipur.	Shopping Mall	Sarad Mittal, Near Shankar Circle, Jaipur.	150 Crore	70,000	1,200kW	1500	600,000	8.57
2	Crystal Palm, Sardar Patel Marg, Plot No-2, Near Shankar Circle, Jaipur.	Shopping Mall	Sarad Mittal, Near Shankar Circle, Jaipur.	-	2,20,000	2,500 kW	6500	1,080,000	4.9
3	MGF Mall, 22, Godown, Opp.Sehban Bhavan, Jaipur.	Shopping Mall	Incubis Consultant India Pvt. Ltd, 249,2nd floor, Okhla Ind. Area New Delhi.	150 Crore	275000	2,000 kW	2500	3,600,000	13.09
4	Vijay City Point, D-52, Ashok Marg, C scheme, Jaipur.	Office Building	Sharad Mishra, Gitanjali Enclave, Jaipur.	-	5000	600 kW	750	44,276	8.85
5	Royal Orchid Central A-26, Bani Park, Jaipur.	Hotel	Pankaj Sabu Paradise Group, Jaipur.	25 Crore	20000	580kW	725	745,740	37.2
6	Rainbow Towers, 3, Rainbow Circle, Vaishali Nagar, Jaipur.	Office Building	Mr.Chourasia, Jaipur.		30,000	583kW	728.75	2,44,686	8.16

## ANNEXURE C: COMMERCIAL BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
7	Crystal Court, Malviya Nagar, 5, Indira Palace, Jaipur.	Shopping Mall	Mahima Pvt ltd, MPPL, Behind Raja Park Petrol Pump, Jaipur.	180 Crore	86000	900kW	1271.8	1,800,000	20.9
8	Fortis Escorts Hospital, Jawahar Lal Nehru, Marg, Malviya Nagar, Jaipur- 302107.	Hospital	-	110 Crore	2,90,980	2539kW	3173.75	3,424,068	11.7
9	GE Capital (Genpact), Jawaharlal Nehru, Marg, Malviya Nagar, Jaipur.	Office Building	-	75 Crore	1,23,710	1660 kW	2075	9,23,040	7.4
10	Anand Chamber's Private Ltd. Jodhpur Link Road Jaipur.	Office Building	-	-	-	525 kW	656.25	6,413,913	-

## ANNEXURE C: COMMERCIAL BUILDINGS SURVEY DETAILS

Climatic Zone - Composite									
Sr. No.	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
1	Star City Mall, Mahatta Tower (P) Ltd, Plot-1A, Distt Centre, Mayur Vihar PH-I, Delhi-110091.	Shopping Mall	Stonehenge Architecture, Interiors Urban Design Exhibitions.	50	190,000	1,000	1,250	710,240	3.7
2	V3S Mall Plot-10, Shopping Multiplex, Laxmi Nagar Distt Centre, Vikas Marg, New Delhi.	Shopping Mall	Gahoi Build well Ltd, New Delhi.	-	40,000	600	750	1,904,424	47.61
3	Southern Park Mall, D-2 Commercial, Complex, Saket, New Delhi.	Shopping Mall +Office Building.	Ridge View Construction, New Delhi.	-	200000	2250kW	2812.5	2,647,652	13.23
4	Rectangle Mall Plot No-D-4, Commercial Complex, Saket, New Delhi.	Shopping Mall +Office Building	SP & SP Design Studio, New Delhi.	-	175000	1600	2000	2,350,480	13.43
5	Square 1 Mall, Fargo Estates, C-2 Distt Centre, Saket, Delhi.	Shopping Mall	SP & SP Design Studio, New Delhi.	-	25,000	1,000	1,250	1,662,000	18.44

## ANNEXURE C: COMMERCIAL BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
6	TDI Mall, 11 Shivaji Place Complex, Near Vishal Cineplex, Rajouri Garden, Delhi.	Shopping Mall	-	-	55,025	2,100	2,625	3,924,900	71.32
7	DLF IT Park, M/S DLF Infodev. Ltd House No - 22/23, Kishan Garh, Chandigarh.	Office Building	-	-	70,000	4,800kW	6,000	3,160,420	45.14
8	Mandakani Building, (State men) Sec- 43, Golf Course Road, Gurgaon.	Office Building	-	-	125000	1000kW	1250	1238760	9.9
9	MS Infosys Tech House No - 8/15, Kishan Garh, Chandigarh.	IT Park	-	-	871,200	4,297.35kW	5,371.68	2,498,440	2.86
10	Augusta Point, Sector-43 Golf Course Road Gurgaon.	Office Building	-	-	108500	1,100kW	1,375	1440000	13.27



## ANNEXURE C: COMMERCIAL BUILDINGS SURVEY DETAILS

Climatic Zone - Warm & Humid									
Sr. No.	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
1	Kuppu Arcade No-4, Venkatnarayana Road, T.Nagar, Chennai, Tamilnadu.	Shopping Mall	-	-	60,000	800kVA	800	918,080	15.3.1
2	Kochar Properties, 19, Venkatnarayana Road, T Nagar, Chennai, Tamilnadu.	Office Building	-	-	51,355	800 kVA	800	908,720	17.69
3	Belicia Tower Gate No-1, MRC Nagar, Main Road, R.A Puram, Chennai, Tamilnadu.	Office Building	True Value In house Architects.	-	150,000	1000 kVA	1000	3,522,340	23.48
4	Belicia Tower Gate No-2, MRC Nagar, Main Road, R.A Puram, Chennai, Tamilnadu	Office Building	True Value In house Architects.	-	150,000	1500 kVA	1500	1,841,710	12.27
5	Akshay Centre, Gokul Road, Hubli, Karnataka.	Office Building	M.V Revankar, Hubli.	-	193,000	860 kVA	860	360,080	1.865

## ANNEXURE C: COMMERCIAL BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
6	Akshay Park, Gokul Road, Hubli Karnataka.	IT Park	M/S Vijay Punjabi consultants	-	110,560	690 kVA	690	401,660	3.62
7	A & W Promoters and Developers, RS. No.: 28/3B, Plot No. 775, Khanapur Road, Tilakwadi, Belgaum. Karnataka.	Office Building	N Manohar Watave	-	31,850	850 kVA	850	450,968	14.15
8	IBM, Building 3A,B, S.Y No-64 (P), Mindspace, Madhpur Hyderabad, Andhra Pradesh.	IT Park	-	-	350,000	1450+1450kVA	2900	6250086	17.85
9	TITUS, Building No 10, Hitech City, Madhpur Hyderabad, Andhra Pradesh.	IT Park	-	-	475,000	3250kVA	3250	9586115	20.18
10	Novotel Hotel and Hyderabad International Convention centre, Near HITEX, Izzatnagar Serilingampally, Andhra Pradesh.	Hotel and Convention centre	-	-	291,000	4846kVA	4846	8770150	30.13

**ANNEXURE D:  
GREEN BUILDING COUNCIL (CII) CERTIFIED BUILDINGS  
DETAIL)**

## ANNEXURE D: SURVEY DETAILS OF GREEN BUSINESS COUNCIL CERTIFIED BUILDINGS

LEED CERTIFIED GREEN BUILDINGS IN INDIA									
Sr. No	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (In Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWh/Sq ft)
1	The World Bank, 11,Taramani Main, Road, Taramani, Cheenai-600113.	Office	Venkataraman Associates, 10/2,II nd Floor, Shaughness Road, Langford Town, Bangalore.	137	137,057	900kVA	900	2,604,720	19
2	NEG Micon India Pvt Limited, 298, Old Mahabalipuram Road, Sholinganallur, Chennai-600119. (Existing Building), (Vestas India).	Office	Mrs. Vineeta Badawe, V.V.Architect Pvt Ltd, 5/6,Kilpauk Garden, 1st Street Kilpauk Road, Chennai - 600010.	-	20,000	218.3kW	273	349,136	17.45
3	L & T EDRC 1, Larsen & Toubro Ltd., ECC Division, P.O.Box.No.979, Mt., Poonamallee High Road, Chennai - 89	Office	R. Nagalingam Senior Architect	-	81,000	1134.135 kW	1478	2,126,030	26.24
4	CII - Sohrabji Godrej Green Business Centre, Sy.No.64, Kothaguda Post, Near Hi-Tech City, Hyderabad-32.	Office	Karan Grover & Associates, Kirti Tower, Tilak Road, Vadodara 390001	8.1	20,000	142.68 kW	178	1,50,900	7.54

## ANNEXURE D: SURVEY DETAILS OF GREEN BUSINESS COUNCIL CERTIFIED BUILDINGS

Sr. No	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (In Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWH/Sq ft)
5	ITC Green Centre, 10, Institutional Area, Sector 32, Gurgaon -122001.	Office	RKA, Safdarjung Enclave, New Delhi.	-	170,000	1417kW	1771.25	1,147,828	6.75
6	Wipro Technologies, Plot. No 480/481, Udyog Vihar, Gurgaon.	Software Centre	Vidur Bhardwaj (Design and Development).	36.69	175,000	1040kW	1300	3,003,692	17.16
7	Spectral Services Pvt Ltd. A-197, Sector-63, Noida-201301.	Office	A. B. R. D. Architects Pvt. Ltd, New Delhi.	-	16,000	100kW	125	54,432	3.04
8	ABN Amro, Central Enterprises, SIDCO Industrial Estate, Guindy Chennai-600032.	Bank	C.S Design Pvt. Ltd, 10/1- Snbharayer Road, Alwar Road, Chennai.	27.2	170,000	1000 kVA	1250	2,949,237	17.34
9	Olympia Technology Park, 1-SIDCO Industrial Estate, Guindy Chennai 600032.	IT Park	RSP Architect Planners and Engineers, Guindy, Chennai.	280	1,800,000	3866 kVA	4832.5	17,863,984	9.924
10	ETL Infrastructure Services Ltd, Thoraipakam, Pallavaram, 220, Road, Thoraipakkam, Chennai.	IT Park	Oscar Concessao International No-2, Vivekanand Road, Srinivas Nagar, Chetpet, Chennai-31.	135	1,100,000	7800 kVA	9750	24,183,420	21.98

## ANNEXURE D: SURVEY DETAILS OF GREEN BUSINESS COUNCIL CERTIFIED BUILDINGS

Sr. No	Name/Address of the Building	Category	Name/Address of Architect	Estimated Cost of Construction (In Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As collected from field)	Contract Demand (in kVA)	Annual Energy Consumption (Units)	Annual Energy Consumption Per Sq ft (kWH/Sq ft)
11	Grundfos Pumps India Pvt, Ltd, 119/121, Chamiers Apartments, Chennai.	Office	Mrs. Vineeta Badawe, V.V.Architect Pvt Ltd, 5/6,Kilpauk Garden, 1st Street Kilpauk Road Chennai - 600010.		50,000			5,074,30	10.15

**ANNEXURE E:  
MoEF CLEARED BUILDINGS SURVEY DETAILS**

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
1	West Gate mall, Plot 4,5,6, Shivaji Place District Center, Raja Garden, New Delhi.	Delhi	Shopping Mall	Architects Bureau, 2 Floor, 13 Palam Marg, Vasant Kunj New Delhi-57	42	115475	3810kW	4762.5	14	16,642,080	144
2	Fire Brick & Potteries (P) Ltd. 14, 7th Floor, Naveen Complex, MG Road, Bangalore-01.	Karnataka	Office Building	Thomas Consultants, Kasturba Road Cross Bangalore-560001.	170	710784	8325kVA	8325	12	24,935,040	35
3	Integrated Tech Park (SEZ), Devarabeenahalli, Village-Agrahara, Bangalore.	Karnataka	IT Park	Information not available	975	117962	3841kW	4801.25	12	14,380,704	122
4	MIRA, Iswar Nagar, New Delhi.	Delhi	Office Building	Prosperous Estate Pvt. Ltd, Plot No. 1 & 2, Iswar Nagar, New Delhi.	Information not available	127778	2368 kW	2960	12	8,865,792	69
5	Taj Falknuma Palace, Engine Bowli, Hyderabad-500053.	Andhra Pradesh	Hotel	Information not available	48.75	210989	Information not available	-	24	-	-
6	Residential/Commercial Complex, Hebbal Bellary Road, NH-7, Kasba Hubli, Bangalore.	Karnataka	Residential & Commercial Building	Landscape Architecture, 3Floor, Alexandria, Richmond town, Bangalore-560025.	200	553104	7MVA	7000	12	20,966,400	38



## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
7	Hotel & Commercial Complex, No.4, NH 4, Yaswanthnagar, Bangalore.	Karnataka	Hotel & Office Building	Thomas Consultants, Kasturba Road Cross Bangalore-560001,	300	696955	8325kVA	8325	12	24,935,040	36
8	ITC Limited, 61,63,65 Mount Road, Guindy, Chennai.	TamilNadu	Hotel	CR Narayan Rao, Luz, Chennai-04,	800	350655	8MW	10000	24	59,904,000	171
9	IT/ITES & Electronic Hardware sector specified SEZ.	Karnataka	IT Park	RSP Architetects, Planner & Engineers Pvt Ltd, RSP House, 30 Museum Road, Bangalore 560001.	909	12105007	8000kVA	8000	24	47,923,200	4
10	RNA Plaza, Goregaon, Mumbai by Skyline Construction Co. Mumbai.	Maharastra	Office Building	Mungekar Enterprises, 1, Anil Apartments, Ground Floor, College Lane, Dadar, Mumbai-28.	Information not available	75355	4392.2kW	5490.25	12	16,444,397	218
11	Mauriska Park, Kodialbail Village, Mangalore.	Karnataka	IT Park	Archi- Technics, Albert Mansion, Star Roack Road, Mangalore 575003.	39	335341	1250 kVA	1250	12	3,744,000	11
12	La Citadel, Oshiwara, Andheri (W), Mumbai	Maharastra	Hotel	Goregaoker Architects, Radha Niwas, H Goregaoker Road, Gamderri, Mumbai	94	62861	2000kW	2500	24	14,976,000	238

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13	Jamuria Industrial Estate, Jamuria Baedhaman, West Bengal	West Bengal	Office Building	Information not available	597.52	39203699	35MW	42750	12	131,040,000	3
14	Commercial Complex, Hoysala Nagar, Bangalore.	Karnataka	Office Building	Information not available	12.6	173119	1700kVA	1700	12	5,091,840	29
15	West Gate mall, Plot 4,5,6, District Centre, Shivaji Place, Raja Garden, New Delhi.	Delhi	Shopping Mall	Information not available	117	115475	3700 kVA	3700	14	12,929,280	112
16	IT Park Building (Alpha City), Kancheepuram.	TamilNadu	IT Park	Information not available	68.5	225203	8729	8729	12	26,145,101	116
17	Commercial Building, DLF City, Phase V, Gurgaon 122002.	Haryana	Office Building	Information not available	80.99	100842	7070kVA	7070	12	21,176,064	210
18	Ravechi Real Estate, Vill- Majiwadi, Thane.	Maharastra	Office Building	Information not available	18.6	204945	4000kW	5000	12	14,976,000	73
19	Commercial Building, At RS No- 399/1 to 21/A1, Kasba Bazaar Village, Mangalore.	Karnataka	Office Building	Information not available	52	156525	Information not available	-	12	-	-

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20	Residential, Commercial & Ind., Golden Height, Rajaji Nagar, Bangalore	Karnataka	Residential & Office Building	RSP Architects, Planner & Engineers Pvt Ltd, RSP House, 30 Museum Road,	55	160038	4328kVA	4328	12	12,963,226	81
21	Software Development/BPO Project, Plot no- 149/B, EPIP Industrial Area, Hoody Village, Bangalore.	Karnataka	IT Park	AT3-VBT Consortium, 324, Palace Upper Orchards, Bangalore-560080.	18.08	101288	2500kVA	2500	12	7,488,000	74
22	Software Tech park, S No. 1,6 & 24, Kundalahalli Vill,K R Puram, Hubli White field, Bangalore.	Karnataka	IT Park	S & S Associates, 926, 17 main, 3rd block, Rajaji Nagar, Bangalore-10	42	490482	16000kW	20000	12	59,904,000	122
23	Mahavir Millennium, Vill- Majiwada, Sec No. 4,Pokharan Road No. 2, Thane	Maharastra	Office Building	Enclosure, 2, Surya Niwas, Ghatkopar(E), Mumbai-77	65	448077	550kVA	550	12	1,647,360	4
24	Development of Municipal Property, Azad Nagar, Wadala, Mumbai.	Maharastra	Office Building	Information not available	68.22	331738	4933.5kW	6166.875	12	18,471,024	56

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25	IT+Mall Building, S No. 35, Hissa No. 9/1&2, 10/1&2, Taluka Haveli, Ahmadnagar Road, Vill- Wadagaon Sheri, Pune	Maharashtra	Shopping Mall	Kapdia Associated Pvt. Ltd., 112-114 Peninsula Centre Dr. S S Road, Parel East, Mumbai	Information not available	444549	3.10 (IT Building) 7.5 MVA (Mall Building)	10000	14	-	-
26	Information Technology Park, Navalu, Chengalpathu, Kancheepuram.	TamilNadu	IT Park	OCI architects	79	8771793	8MW	10000	12	29,952,000	3
27	GT Mall, Magadi Road, Bangalore.	Karnataka	Shopping Mall	Information not available	Information not available	145491	722.5kW	903.125	14	3,155,880	22
28	Commercial Complex, S No. 2 & 3, Soft Roa, Michal Plaza, Ward NO. 82, Krisnarajapura Hubli, Bangalore	TamilNadu	Office Building	RSP Architetects, Planner & Engineers Pvt Ltd, RSP House, 30 Museum Road, Bangalore 560001	12.6	173119	70kVA	70	12	209,664	1
29	Mautri Mall, 1st, 2nd Main Road, Malleshwmam, Bangalore	TamilNadu	Shopping Mall	Chisel Architects Pvt. Ltd, 25th, 2nd Cross, 18th Main Hall Second Stage, Indira Nagar, Bangalore	43	47050374	70kVA	70	14	244,608	-

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30	Commercial mall cum Hotel Complex, Survey No. 1009, Under Phase V, Kukatpalli housing Board Colony, Balangen Mandal, Hyderabad.	Andhra Pradesh	Shopping Mall + Hotel	Design Plus, 140-D, Okhla Industrial Estate, Phase III, New Delhi-20	146.02	118918	4417 kW	5521.25	14	19,293,456	162
31	City mall, Plot No. 3, Sector-12, Faridabad.	Haryana	Shopping Mall	GIAN P. Mathur & Associates Pvt Ltd, C-55, East of Kailash, Delhi	26.13	71002	2253kW	2816.25	14	9,841,104	138
32	5 Star Hotel & Convention Centre, Magdolla, Choryasi Taluka, Surat	Gujarat	Hotel	Information not available	80	145625	2500kVA	2500	24	14,976,000	103
33	OMAX Shopping Mall, Mall Road, Patiala	Punjab	Shopping Mall	Sharma Architect (P) Ltd, D2, Vasant Kunj, Delhi	35	71002	3MW	3750	14	13,104,000	185
34	5 Star Hotel Complex, 61,63,65 Mount Road, Guindy, Chennai	TamilNadu	Hotel	M/S CR Narayan Rao, LUZ, Chennai-600004.	400	350655	8MW	10000	24	59,904,000	171
35	BSNL Office Building, 35/1 (Port) Block 6, Door No. 16, Greams Road,	TamilNadu	Office Building	Information not available	89.73	272248	1600kVA	1600	12	4,792,320	18

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	Nungambakkam, Chennai										
36	Commercial & Residential Building, S No. 49/1 & 49/2, Honga Samdra Village, Begun Hubli, Bangalore.	Karnataka	Residential& Commercial Building	Maark Vision Architects Pvt. Ltd, 2nd floor, RV Layout Kunwana, Park west, Bangalore-20	40	123056	Information not available	-	14	-	-
37	SEZ for Electronic, Software Development & IT enabled Industry, Plot#A-49A, Industrial Phase-VIII, SAS Nagar, Ropar, Mohali, Chandigarh	Punjab	Office Building+ IT Park	Information not available	11.65 Billion	2236353	30MW	37500	24	224,640,000	100
38	ONGC Videsh Limited Office Complex, Plot No. 5(A) Vasant Kunj, Phase II, New Delhi	Delhi	Office Building	Rajinder Kumar & Associates, B4/17, Safdarjung Enclave, New Delhi	94.11	391160	5480kW	6850	12	20,517,120	52
39	Corporate Office, Jasmine, Plot No. 1, Shopping Mall, Nelson Mandela Marg, Vasant Kunj, Phase II New Delhi	Delhi	Office Building	Rajinder Kumar & Associates, B4/17, Safdarjung Enclave, New Delhi	40.5	79761	2500kVA	2500kVA	12	7,488,000	94

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40	Commercial Complex, CTS No. 195, Vill-Kondiavita, K/E Ward, Taluka Andheri, Mumbai	Maharashtra	Office Building	Atul Gulati, Kasturi J Tata Road, Churchgate, Mumbai-20	50 Crore	95589	3500kW	4375	14	15,288,000	160
41	G Mall, Plot B, CTS No.168, Village- Magathane, At- Borivali (E), Mumbai-400101	Maharashtra	Shopping Mall	N S & Associates, 9 Matru Chhaya Nanda, Patkar Road, Vill- Parle (E), Mumbai 400057	93.73	201393	6100kW	7625	14	26,644,800	132
42	IT Park & Hotel Complex, Vill Khandsa, Gurgaon	Haryana	IT Park + Hotel	Information not available	29.26	193556	2000kW	2500	24	14,976,000	77
43	IT Park, At- Goregaon (E), Mumbai	Maharashtra	IT Park	Information not available	55	186496	3330kVA	3330	12	9,974,016	53
44	V3S, East Centre, Laxmi Nagar, District Centre, Delhi	Delhi	Shopping Mall	Gain P Mathur & Associates Pvt Ltd, C-55, East Of Kailash, New Delhi	165	134979	4000kVA	4000kVA	14	13,977,600	104
45	Hospital Complex, Sec-51, Gurgaon	Haryana	Hospital	Achal Kataria Architects, E-15, First Floor, 7, Institutional Area, Sec 32, Gurgaon	More than 100 Crore	361548	Information not available	-	24	-	-

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46	Pearl Omaxe (Commercial Complex), Netaji Subhash Place, Wazirpur, New Delhi	Delhi	Shopping Mall	Design Forum International, 13-A-Bhawanikunj, New Delhi	113.78	57763	106kW	132.5	12	396,864	7
47	Shopping Mall cum Multiplex, 170, Jhabra kothi, RNT Marg, Indore	Madhya Pradesh	Shopping Mall	PG Patki Architects Pvt. Ltd, Caleor House 8, Temering Lane Fort, Mumbai	60	74027	4000kVA	4000	14	13,977,600	189
48	Gulmohar Park mall, F P no. 167 to 172 & 174 to 178, T P No. 6, 500/10,12,13,1, Jodhpur, Tal Vejalpur, Ahmadnagar	Gujarat	Shopping Mall	Kapdia Associated Pvt. Ltd., 112-114 Peninusula Centre Dr. S S Road, Parel East, Mumbai	64.1	330805	3800kVA	3800	12	11,381,760	34
49	Gstaad Hotels, 21/4, Vittal Mallya Road, Bangalore.	Karnataka	Hotel	Thomas Consultants, Kasturba Road Cross, Bangalore-560001	116	119378	6770kVA	6770	24	40,555,008	340
50	Adhvika Raga, S No. 152 & 153, Mahadevpura, Opp Ring Road, KR puram, Bangalore.	Karnataka	Office Building	Information not available	35	224768	1150kVA	1150	12	3,444,480	15



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51	Mantri Synergy, Mahaderpura Village, KR Puram, Hubli, East Taluk, Bangalore.	Karnataka	Office Building	RSP Architects Pvt Ltd, RSP House, 30Museum Road, Bangalore	10.9	-	70kVA	70	12	209,664	-
52	Residential Apartment- Ecosphere, As No. 101/4, Doddatoen Vill, Begur, Hubli, Bangalore.	Karnataka	Residential Apartment	Information not available	24.85	130396	63.7kW	79.625	12	238,493	2
53	Residential cum Commercial Construction Project, Door No. 44, Pillayar Koil Street, Jawarlal Road, Anna nagar, Vill-Thirumaglam, Chennai.	TamilNadu	Residential+ Commercial building	Information not available	536.01	1829506	12953kW	16191.25	12	48,496,032	27
54	Residential Township Sector 32 & 33, Vill- Bhudhakhera, Phoosgarh, Karnal.	Haryana	Residential Complex	Architectural Department, NARSI	100	11325571	Information not available	-	12	-	-
55	The Ozone Park Apartment, Sector 86, Faridabad	Haryana	Residential Complex	Rajinder Kumar & Associates, B4/17, Safdarjung Enclave, New Delhi	10.31	453282	3500kW	4275	24	25,608,960	56

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56	Township Project, Saharanpur.	Uttar Pradesh	Township	Parsvanath Developers	102	3872855	11MW	13750	24	82,368,000	21
57	Garden Estate, No. 1A/158, Vill-Pahadi Goregaon (W), Mumbai.	Maharashtra	Office Building	-	35	112805	1000kW	1250	12	3,744,000	33
58	UniworlD Garden Group Housing, Sec-47, Gurgaon.	Haryana	Office Building	S Ghosh & Associates, R-4, Hauz Khas, New Delhi	80.4	569804	6950 kVA	6950	12	20,816,640	37
59	Hiranandani Upscale Residential Complex, Egattur Village, Podur Kancheepuram	TamilNadu	Residential Complex	Hafiz Contractor	Information not available	4800710	92.12 MVA	115150	24	689,794,560	144
60	Vipul World, Sector-48, Gurgaon	Haryana	Office Building	Vipul Limited, Global Arcada, 3rd Floor, MG Road, Gurgaon	700	6496532	3500kW	4375	12	13,104,000	2
61	Basant City Residential Colony, Village Tharika, Ludhiana	Punjab	Residential Complex	DHAM Consultant, Sec No. 34, Chandigarh	10	1284139	3300kW	4125	24	24,710,400	19
62	Residential Apartment & Commercial Complex, S No. 1/A, 1/B, Jakkur village,	Karnataka	Residential+ Commercial Complex	Information not available	248.98	-	7678 kVA	7678	24	45,994,291	-

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	Yelahamka Hobli, Bangalore										
63	Housing Complex (Oasis-II), 38/1Panditiya Road, PS Lake, Kolkata	West Bengal	Residential Complex	Information not available	25.8	-	2000kVA	2000	24	11,980,800	-
64	OASIS, Plot No. 1424, Thile Vasti, Village Kharadi, Tal Haveli, Pune	Maharashtra	Office Building	TERRA Firms	30	282909	1500kVA	1875	12	5,616,000	20
65	Residential Villa "Sterling Eastland" S No. 109-116, Seaglhalli Village, Hoskole, Sub-Division, Bangalore	Karnataka	Residential Complex	Venkatramanan Associates, 10/2, II floor/O' Shang	125	-	5.7MW	7125	24	42,681,600	-
66	Vrindavan Township, S No. 354, Plot no. 1 to 6 & 383, Vill-Boling, Tal-Vasai, Thane	Maharashtra	Residential Complex	Shah Gattari Consultants, 103 Lucky Palace, Station Road, Vasai West, Mumbai	71.65	570584	20 HP	5369	12	-	-

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67	Gundecha Valley, Plot D2, EA, CTS No. 168, Vill- Magathane, Borivali (E), Mumbai	Maharashtra	Office Building	Information not available	72.88	749071	11435 kW	14293.75	12	42,812,640	57
68	Jaypee Greens G block, Golf Course, Sarajpur, Kasna Road, Greater Noida	Uttar Pradesh	Golf Course	Information not available	1265	19700108	47MW	58750	12	175,968,000	9
69	Sobha Hill View, S No. 8/1, Manavarthekeval Vill, Uttarahalli Hobli, South Taluk, Bangalore	Karnataka	Hotel	Sobha Developers Ltd., C-106, Sunrise Chamber, 22, Ulsoor Road, Bangalore	70.11	399632	Information not available	-	12	-	-
70	Housing Complex, Central Park-II' Sec 48, Sohna Road, Gurgaon	Haryana	Residential Complex	SENES Consultant India	850.66	2070260	22MVA	22000	24	131,788,800	64
71	Sobha Beryls, Nagasandra Vill, Yeswantpur Hubli, Bangalore.	Karnataka	Office Building	Sobha Developers Ltd., C-106, Sunrise Chamber, 22, Ulsoor Road, Bangalore	99.44	883890	500kVA	500kVA	12	-	-

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72	Unitech Harmony Housing project, Sec-50, Vill-Badsahpur, Gurgaon	Haryana	Residential Complex	Mani Chowfla Architect Consultant, D-374, Defense Colony, Delhi	277.57	460643	5300kVA	5300kVA	24	-	-
73	Beverly Park, Survey No. 3/2& 4, Katha No. 447, Amruthahahlli Vill, Yelahanka Hubli, Bangalore	Karnataka	Office Building	RSP Architects Pvt Ltd, RSP House, 30, Museum Road, Bangalore	39.98	174239	Information not available	-	12	-	-
74	Residential Project, CTS NO. 4/296 (Pt) 1/296 (Pt), of parcel Sewri Divisions, Mumbai	Maharashtra	Residential Complex	Atul Gulati, Kasturi J Tata Road, Church Gate, Mumbai-20	50	146891	1824 kW for Res 300KV for Official	-	24	-	-
75	Lok Puram Phase II, Village Majiwada, Lady Alwar Road, Thane	Maharashtra	Office Building	Saakar Architect, 5 Floor, ESK Rupa, Ram murti Road, Thane	26.5	1008148	500kVA	500	12	1,497,600	1
76	Pebble Bay Group Housing, Nagashettyalli Vill. Kasabahabli, Bangalore	Karnataka	Residential Complex	B Raheja builders	162	461631	4997.64kVA	4997.64	24	29,937,863	65

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77	Park View Spa Residential Complex, Sec 47, Sohna Road, Gurgaon.	Haryana	Hotel	DFI Design Forum International, 13-A, Bhawana Kunj, New Delhi	133	15768601	5000kVA	5000	24	29,952,000	2
78	Commercial & Retail Center, Plot no. 10 & 11, Jasola City Center, Delhi	Delhi	Residential Complex	Information not available	320.63	69320	3700 kVA	3700	14	12,929,280	187
79	DT City Centre, A-Block, Salimar Bagh, Delhi	Delhi	Shopping Mall	Design Plus, 140-D, Okhla Industrial Estate, Phase III, New Delhi-20	14813.15	152257	3074kW	3842.5	14	13,427,232	88
80	Vipul Tech-Square Tower C & D, Sec-43, Gurgaon	Haryana	Shopping Mall	SAA-Sikka Associates Architect, 82/20 Safdarjung Enclave, New Delhi	Information not available	103672	2MVA	2000	14	6,988,800	67
81	Integrated Textile & Apparel Park, Visakhapatnam.	Andhra Pradesh	Shopping Mall	Information not available	130	43559660	Information not available	-	14	-	-
82	Shopping Mall cum Multiplex Near Chothram Chouraha, ABR Road, Bijalpur, Indore	Madhya Pradesh	Shopping Mall	Information not available	560	753474	10MW	12500	14	43,680,000	58

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83	Bandra Kurla Complex, Banda East Plot No-C-59 G Block, Kurla Complex, Mumbai	Maharashtra	Office Building	Information not available	83.5	57693	3000 kW	3750	12	11,232,000	195
84	Peninsula Techno Park, Kurla Swan Mills Compound, LBS Marg, Mumbai	Maharashtra	Office Building	JP Parekh & Sons, 338 Rafi Ahmad Kidwai Marg, Matunga (E), Mumbai	175.5	455152	Information not available	-	12	-	-
85	IT Park Kharadi, Tal Haveli, Pune	Maharashtra	IT Park	VOUSSOIRS (Architect & Interior Design), 10, Janhani Appt, Bhonde Colony, Pune	250	750000	19200 kW	24000	12	71,884,800	96
86	The Park Hotel, Rajbhavan Road, Somajiguda, Hyderabad.	Andhra Pradesh	Hotel	SOM (Skidmore, Owings & Merwill), 14, wall Street, New York	243	94798	3000 kVA	3000	24	17,971,200	190
87	Upgradation/Renovation/New Construction in MCD National Sports	Delhi	Stadium	CES in Association with SBP Gmbh with ASS planning Gmbh & IEWS Gmbh	Information not available	-	During Game- 3000kW After Game- 2000kW	3750 & 2500	12	-	-
88	Arcadia (Commercial complex) for south city-II, Phase II	Haryana	Office Building	Unitech Ltd, Unitech House, South City, Gurgaon, Haryana	71.75	260921	4800 kW	6000	12	17,971,200	69

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Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
89	Rajiv Gandhi Infotech Park, Phase -II, Hinjewadi, Tal- Mulshi, Pune	Maharashtra	IT Park	M/s Metaphores, Senapati Bapat Road, Gokhle Nagar, Pune-411016	245	1155723	10MVA	10000	12	29,952,000	26
90	IT & ITES Building (Ishan System Pvt Ltd), Plot No. 2A, Sec-126, Expressway, Noida, UP	Uttar Pradesh	IT Park	Design & Development, A-7, Niti Bagh, New Delhi- 49	75.375	142729	4250 kVA	4250	12	12,729,600	89
91	L & T Software Development Park, EPIP, Whitefield, Bangalore	Karnataka	IT Park	RSP Architects Pvt Ltd, RSP House, 30Museum Road, Bangalore	69	522975	2400 kVA	2400	12	7,188,480	14
92	Five Star Deluxe Hotel, No 1, Residency Road, Bangalore	Karnataka	Hotel	Information not available	Information not available	-	3.67 MW	4587.5	24	27,480,960	-
93	Lake City Mall B, Vill- Majiwade, Dist- Thane	Maharashtra	Shopping Mall	Archetype Consultant (India) Pvt ltd	46.87	211382	7024.8 kW	8780	14	30,680,832	145
94	Commercial Complex, Plot No C-30, G Block, Bandra Kurla Complex, Bandra, Mumbai	Maharashtra	Office Building	Madhuri Khandekar Architects	81.01	49042	22.5 MVA	22500	12	67,392,000	1,374



## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
95	M/s Kohinoor CTNL Infrastructure Co. Ltd, Plot No-46, TPS III, Mohim Division, Dadar, Mumbai	Maharashtra	Office Building	Dighe Shikre & Associates, 203/204, Prabhadevi IInd Estate, Veer Savarkar Marg, Mumbai	Information not available	-	8033 kVA	8033 kVA	12	-	-
96	Gem & Jewelry Park, GIDC, Ichhapore, Surat	Gujarat	Shopping Mall	Urban Initiatives, Snehal, Soni Fatia, Desai Pol, Surat-385003	85	10763910	Information not available	-	14	-	-
97	IT Park by Mysore Infosys Technology Ltd, Hebbal Electronic City, Hootagall, Mysore-571186	Karnataka	IT Park	Hafiz Contractor, 29, Bank Street, Bombay 400023	552.34	-	Information not available	-	12	-	-
98	IT Park, Airport Road, Yerwada	Maharashtra	IT Park	VOUSSOIRS (Architect & Interior Design), 10, Janhani Appt, Bhonde Colony, Pune	125	567258	18884 kW	23605	12	70,701,696	125
99	Restaurant cum recreational Centre, Sikandarpur, Gurgaon	Haryana	Hotel	Information not available	118.76	111513	3.04 MW	3800	24	22,763,520	204
100	RMZ NXT, Sonnenahali Vill, KR Puram, Hubli, Bangalore	Karnataka	Hotel	OIKOS-Landscape Architecture & Eco-Planner, Bangalore	Information not available	764862	Information not available	-	24	-	-

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Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
101	Primal Project Pvt. Ltd, Pritech Park-II, Bellandu Village, Varthur Hubli, Bangalore.	Karnataka	Office Building	Information not available	375	1364289	Information not available	-	12	-	-
102	Provn of OTM Accommodation for KLPI STC, Jabalpur	Madhya Pradesh	Office Building	Information not available	90.23	1070965	2119 kVA	2119	12	6,346,829	6
103	Vatica Tower, Sec-54, Gurgaon	Haryana	Office Building	Information not available	184	175452	Information not available		12	-	-
104	DLF Cyber City, Sec-24, 25, 25A, Gurgaon	Haryana	IT Park	DLF Cyber City Developer, Shopping Mall, Arjun Marg, DLF City Ph I, Gurgaon	1241.87	3755893	132500 kVA	132500	14	463,008,000	123
105	Unnathi Garden, Opp Maa Niketan, PO Kharan Road-2, Thane, 400610	Maharastra	Shopping Mall	Saakar Architect, 5 Floor, ESK Rupa, Ram murti Road, Thane	Information not available	121824	1199 kW	1498.75	14	5,237,232	43
106	Zonal Office Building-PNB, C-9, Bandra Kurla Complex,	Maharastra	Office Building	Information not available	85	30982	817 kVA	817	12	2,447,078	79

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	Mumbai										
107	City Center-Mall & Hotel Sultan Wing Suburban, G.T Road, Amritsar	Punjab	Shopping Mall	Ariop Associates Pvt Ltd, E-106 GK-I, New Delhi	300	453582	14 MW	17500	14	61,152,000	135
108	IT Park, Vill-Majiwade Thane (W), Mumbai	Maharashtra	IT Park	Deepak Mehta Architect, Green Park, Church Road, Hotel Leela, Opp M.V Road, Mumbai	70	233174	4250 kVA	4250	12	12,729,600	55
109	IT Park, 1/124 Shivaji Garden, Moonlight Stop Nandapakkam Post, Kancheepuram, Chennai	TamilNadu	IT Park	Hafeez Contractor, 29, Bank Street, Mumbai	1200	1798757	75000 kVA	75000	12	224,640,000	125
110	Shopping Mall cum Multiplex Khasra No.68/1&70/1, Sukh Sagar valley Palipathar, Narmada Road, Jabalpur	Madhya Pradesh	Shopping Mall	P.G Patki Architects Pvt Ltd, Calcot House, 8 Temerind Lane Fort, Mumbai	111.66	139662	5000 kVA	5000	14	17,472,000	125

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111	Shopping Mall cum Multiplex University Road, Opp Shivaji Public Garden, Sayajiganj Ward, Vadodara	Gujarat	Shopping Mall	Information not available	Information not available	129054	5 MW	6250	14	21,840,000	169
112	Pratik Textile Park Vill-Pimpalās Bhiwandi, Thane	Maharashtra	Office Building	K.K Associates Dhamankar Naka Bhiwandi, Thane	190.93	8180572	40 MVA	40000	12	119,808,000	15
113	Industrial Park SF No.330/1to7, 381/1to7, 382/1to8, 384/1to7, Sarkarsamakulam, Coimbatore.	TamilNadu	Office Building	Information not available	6.5	1097919	2943.50 Hp	6882.28	14	-	-
114	Exhibition Complex Plot No.23, 24,25,27,28&29, Knowledge Park-II, Greater Noida	Uttar Pradesh	Office Building	DESIGN CELL, 927 Sector 17-B, Gurgaon	500	252005	28 MW	35000	12	104,832,000	416
115	Mall of India-Shopping Complex, Block-V, DLF City Phase-III, Sector 25A, Gurgaon	Haryana	Shopping Mall	Information not available	489.84	1431805	28600 kVA	28600	14	99,939,840	70

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116	Hotel cum Commercial Complex, Mall Road, Khasra No.3524/1362, Amritsar	Punjab	Hotel	Vivek Puri	122.15	90168	870 kVA	870	24	5,211,648	58
117	Integrated District Court Complex, Saket, New Delhi	Delhi	Office Building	Behal Joshi & Associates P-9, Hauz Khas Enclave, New Delhi	150	722742	1250 kVA	1250	12	3,744,000	5
118	Sewa Grand Mall Delhi-Mathura Road, Sector-36, Faridabad	Haryana	Shopping Mall	Information not available	30.28	87123	2500 kVA	2500	14	8,736,000	100
119	Elegance Tower Plot No.8, Jasola District Centre, Delhi	Delhi	Shopping Mall	SP & SP Design Studio R-47, Gk-I, New Delhi	89.78	44240	1691.10 kW	2113.875	14	7,386,725	167
120	Spazedge Commercial Complex, Sector-47, Vill-Tikri, Gurgaon-Sohna Road, Gurgaon	Haryana	Office Building	Information not available	40	150935	3 MVA	3000	14	10,483,200	69
121	The Westland Mall Plot No.2 & 3 Ferozpur Road, Ludhiana	Punjab	Shopping Mall	Jaeswal & Associates B-109, Sarvodaya Enclave, New Delhi	90.75	94108	4500 kW	5625	14	19,656,000	209
122	Hotel Complex, Plot No.443 Phase-V,	Haryana	Hotel	RSP, 30 Museum Road, Bangalore	403	764238	3000 kVA	3000	24	17,971,200	24

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	Udyog Vihar, Near NH-8, Gurgaon										
123	Software Park, Karapakkam Village, Tambaram, Kancheepuram	TamilNadu	IT Park	RSP, 30 Museum Road, Bangalore	105.96	120660	4314 kVA	4314	12	12,921,293	107
124	Convention & Exhibition Centre & Commercial Complex, Plot No.C-64, Gblock, Bandra, Mumbai	Maharastra	Office Building	Pagnis & Pagnis, 4 Anand, Opp.Vithal Mandir DL Vaidya Road Dadar, Mumbai	250	807293	1500 kVA	1500	24	8,985,600	11
125	Titanium-I Commercial Complex, CTS No.201/B Western Express Highway, Goregaon (E), Mumbai	Maharastra	Shopping Mall	Bipin.S. Baroi plot No.14, 1st floor Jawahar Nagar S.V Road Goregaon (W), Mumbai	28.7	93312	1863.2 kW	2329	14	8,138,458	87
126	Ecom - Kharadi Kharadi Tehsil-Haveli, Pune	Maharastra	Office Building	VOUSSOIRS, 10 Janhavi Apts.Bhonde Colony N R Old Erandavana,	200	3999869	48236 kW	60259	14	210,569,050	53
127	Commercial Complex S no 214/2, Lohegaon, Pune	Maharastra	Office Building	VKA Architecture A-5, kapil Towers, 45 Ambedkar Road Near RTO, Pune	90	505904	2000 kVA	2000	14	6,988,800	14

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128	Shopping Mall Mumbai Naka S No 8006/807, Nasik	Maharashtra	Shopping Mall	Information not available	200	724074	3000 kVA	3000	14	10,483,200	14
129	IT Park-SEZ Senthamanglam Vill-Chengalpattu, Kancheepuram	TamilNadu	Office Building	ESSKAY DESIGN Kailash# 6/25, Cenotaph Road, 1st Street Teynampet, Chennai	1385	5156989	235 MW	235 MW	24	-	-
130	ETA Techno park Avalur Vill, Old Mahabalipuram Road Kancheepuram, Chennai	TamilNadu	IT Park	ESSKAY DESIGN Kailash# 6/25, Cenotaph Road, 1st Street Teynampet, Chennai	199	1116217	18 MW	22500	12	67,392,000	60
131	BITS-Hyderabad Campus, Jawahar Nagar Vill-Shamerpet Mandal, Ranga reddy, Andhra Pradesh	Andhra Pradesh	Educational Institute	Suresh Goel & Associates, S- 83 Panchshila Park, New Delhi	250	8624813	3797	4746.25	12	14,215,968	2
132	Commercial cum Residential Complex, CTS No.168A, 168A/1- 28,168/A31-33, 168G(pt), Vill-Ghatkopar,Lal Bhadur Shastri Marg, Mumbai	Maharashtra	Residential+ Commercial Complex	Atul Gulati Kasturi J Tata Road, Mumbai	191.35	592382	6000 kW	7500	24	44,928,000	76

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133	Office Complex of Comptroller & Audit General Pocket 9 Deen Dayal Upadhyay Marg, New Delhi	Delhi	Office Building	C.P Kukreja Associates, Ashirwad Building, D-1 Green Park, New Delhi	66.68	108895	1200 kW	1500	12	4,492,800	41
134	Devashri Garden SI No.21/2, Vill-Socorro, Goa	Goa	Shopping Mall	Nilesh Salkar Asso. Ground Floor Hotel Manish, F.1.gomes Road, Vasco-Da-Gama, Goa	28.35	230994	2320 kW	2900	14	10,133,760	44
135	5 Star Business Hotel International Tech Park, Whitefield Road, Bangalore	Karnataka	Hotel	Spazzio+Warner Wong Collaboration Warner Wong PTE Ltd, 30 Hill Street 01-04, Singapore	42.6	106866	1700 kVA	1700	24	10,183,680	95
136	Commercial Complex Nanakramguda Vill-Serilingampalli Mandal RR District, Hyderabad	Andhra Pradesh	Office Building	Information not available	157.58	492790	2009.89 kW	2512.37	14	8,779,226	18
137	TDI Shopping Mall & Multiplex, Plot No.32, Sector-17 A, Chandigarh	Punjab	Shopping Mall	Adharshila Architects 206, Sector - 9 C, Chandigarh	12	49598	800 kVA	800	14	2,795,520	56



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138	Office Complex- Cosmos Park S No. 194,h No.1, 2 & 6,S No.199, H No.5, Ghodbhunder Road, Thane	Maharastra	Office Building	Archetype Consultant (I) Pvt Ltd, 101/102,Shri Sarika Apts Panchpadi, Thane	17.7	128268	1500 kVA	1500	12	4,492,800	35
139	Residential cum Commercial Complex, CTS No. 480 & 480/1 Vill-Malad(E), Ram Sati Marg, Mumbai	Maharastra	Residential+ Commercial Complex	Information not available	61	298477	4214.42 kW	5268.025	24	31,557,577	106
140	KPC Medical College & Hospital, IF Raja SC Mullick Road Jadavpur, Ward No.102, Kolkata	West Bengal	Educational Institute	Subir Kumar Das Consultant Architects & Engineers 4, Broad Street, Kolkata	158.21	456859	2 MW	2500	12	7,488,000	16
141	IT Park, CTS No. 586/2,4,6,7 Vill-Pahadi Goregaon, Mumbai	Maharastra	Office Building	IH. Shah & Associates 101 Kailash Tower, 1st Floor, Opp.Regency, Andher(E), Mumbai	55	186496	3330 kW	4162.5	12	12,467,520	67
142	Shopping Mall, Bhopal	Madhya Pradesh	Shopping Mall	Rameshwar Maniyar Architects	196	257002	9.3 MW	11625	14	40,622,400	158
143	Residential cum Commercial Complex, Vill-Poisar Kandivalli,	Maharastra	Residential Complex	Information not available	52.44	568980	9000 kW	11250	24	67,392,000	118

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	Mumbai										
144	Hotel Crown Plaza Plot No.-13-B Mayur Vihar, New Delhi	Delhi	Hotel	Information not available	22.5	64099	2100 kVA	2100	24	12,579,840	196
145	Residentil cum Commercial Complex, Doddakundi Vill-Mahadevpura CMC, Bangalore	Karnataka	Residential Complex	RSP Architects, E-301 Sunrise Chambers, 22 Ulsaar Driveway, Bangalore	117.98	459554	2550 kVA	2550	24	15,275,520	33
146	Cessna Business Park, Outer Ring Road Valhur Hubli, Bangalore	Karnataka	Office Building	RSP Architects Planners & Engineers Pvt Ltd, NO. 30 Museum Road, Bangalore	153	609237	10 MVA	10000	12	29,952,000	49
147	IT Unit Near Kapashera Border, Vill-Dundahera, Gurgaon	Haryana	IT Park	Information not available	50	104625	4000 kVA	4000	12	11980800	115
148	Maxus Mall S. No.574/1 to 678/1 (PT) 2,3 Vill-Bhayandar, Thane	Maharashtra	Shopping Mall	Architect Rishikesh Mumbai	22.92	415552	2155.25 kW	2694	14	9,413,914	23

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149	Software Complex, 1/G1, SIPCOT Siruseri Chenalpathy, Kancheepuram, Tamil Nadu	TamilNadu	IT Park	CRN, M/S C.R Narayan Rao, Chennai	825	3070956	22000 kVA	22000	12	65,894,400	21
150	New Quest Hotel Resort Vill- Bandwari Sohna, Gurgaon	Haryana	Hotel	ARCOP Associates Pvt Ltd E-106, G.K-I, New Delhi	47.1	1756487	700 kVA	700	24	4,193,280	2
151	Technology Park CP - 06 Sector - 8, IMT Manesar, Gurgaon	Haryana	IT Park	Information not available	124.37	410657	12,100 kW	15125	12	45,302,400	110
152	IT Park Plot No.7-A, Sector - 142 Gurgaon	Haryana	IT Park	Information not available	175	357168	6750kW	8473.5	12	25,379,827	71
153	Siddeshwar Garden Village Kolshet Thane (W), Mumbai	Maharashtra	Shopping Mall	Thakkar & Associates 104/A, Satya Anand Almeida Road, Panchpakhadi Thane, Mumbai	66	374584	4341 kW	5426.25	14	18,961,488	51
154	Peninsular Business Park Dawn Mills Compound Ganapatrao Kadam Marg, Lower Parel,	Maharashtra	Office Building	J.P Parekh & SON 338 Rafi Ahmed Kidwai Marg Matunga (E), Mumbai	271.74	296567	7197.3 kW	8996.25	12	26,945,568	91

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	Mumbai										
155	Collage Court-Shopping Mall Paragpur GT Road, Jalandhar, Punjab	Punjab	Shopping Mall	DFA-Design Forum Architects, R-47 G.K - 1, New Delhi	100	135720	5000 kW	6250	14	21,840,000	161
156	Multiplex Complex Resapuvanipalam, Moddilapalam, Visakhapatanam	Andhra Pradesh	Shopping Mall	Y.Syan Associates S.No 4-19-117, First Floor 3rd Line Vikas Nagar, Guntur	18.41	13670	3500 kVA	3500	14	12,230,400	895
157	Shopping Mall, Gayatri Satsang Laxmi Narayan Dham Thakur Vill. Kandivalli(E), Mumbai	Maharashtra	Shopping Mall	Soumya Association 3/302,Datta Mandir Road, Near Mohan Nagar Kandivalli(W), Mumbai	89	466782	Not Available	Not Available	14	-	-
158	Multistoried Multiplex SF No. 474, Pt Avinasi Road, Sowripalayam Vill, Coimbatore	TamilNadu	Shopping Mall	Information not available	93.5	138467	2500 kW	3125	14	10,920,000	79
159	Crown Plaza Plot No. 2 Sector 29 Leisure Valley Road, Gurgaon	Haryana	Shopping Mall	Information not available	101.77	127531	2000 kVA	2000	14	6,988,800	55

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160	Shopping Centre Village Narghar Mira Road, Thane, Mumbai	Maharashtra	Shopping Mall	Information not available	105.07	819564	10266 kW	12832.5	14	44,841,888	55
161	L & T Software Development Park, Survey No.147 Hoodi Vill K. P Puram, Bangalore	Karnataka	IT Park	Information not available	75.5	522716	2400 kVA	2400	12	7,188,480	14
162	Commercial Complex Village Kavesar Ghodbunder Road, Thane, Mumbai	Maharashtra	Office Building	Joshi Deshavar & Associates, 101, Sukhkarta Opp. Dr Pardkar Hospital Naupada, Thane	543.34	2228129	Information not available	-	14	-	-
163	Eros Corporate Park K - Block Sec - 2 IMT Manesar, Gurgaon	Haryana	Office Building	Information not available	146.3	62775	6270.75 kW	7838.43	12	23,477,688	374
164	Commercial Complex, Saket Place, New Delhi	Delhi	Office Building	Pradeep Sharma Architects (P) Ltd., A-221, Defence Colony, New Delhi - 24	173.88	50052	2380kW	2975	14	10,395,840	208

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165	Market City Vill - Kurla, L.B.S. Road, Kurla (west), Mumbai	Maharashtra	Shopping Mall	Anil Kumar Thaker, Prospect Chambers, 4th Floor, D.N Road, (P.No-22844189), Fort Mumbai - 400013	727.6	1082098	158310 kVA	158310	14	553,198,464	511
166	V3S East Center Vikash Marg, New Delhi	Delhi	Shopping Mall	Gain P. Mathur & Associates Pvt Ltd., C - 55, New Delhi	-	134979	4000 kVA	4000	14	13,977,600	104
167	Shopping Mall Cum Multiplex Patwari Halka No. - 112, Opp. Agricultural University, N.H - 6, Jora, Raipur, Chhattisgarh	Chhattisgarh	Shopping Mall	Sanjay Puri Architects Pvt Ltd., Opp. Famous Studio, Mahaluxmi, Mumbai	128.1	332260	5000 kVA	5000	14	17,472,000	53
168	IT Park, Palli Karanai - Village Perungudi, Chennai	TamilNadu	IT Park	Oscar Concessao, Chennai	135	871193	7500 kVA	7500	12	22,464,000	26
169	Pushpanjali Hospital & Research Institute, W-3, Sector-1, Vaishali, Ghaziabad	Uttar Pradesh	Hospital	Information not available	82.7	149393	2800 KV	2800	24	16,773,120	112

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Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
170	House to House Sec - 49, Sohana Road, Gurgaon	Haryana	Residential Complex	Rajiv Khanna & Associates Pvt Ltd., 727, Sec-15B, Gurgaon	48.5	73342	1637.40kW	2046.75	24	12,260,851	167
171	Beverly Park Plot No.-107, Sec-14, Node-1, Koperkhairane, Navi Mumbai.	Maharashtra	Residential Complex	Hafeez Contractor 29, Bank Street, (P.No - 2661920), Mumbai	-	415035	1600 kVA	1600	24	9,584,640	23
172	Software Technology Park, Plot No. - 4, Kadugodi Industrial Area, White Field Road, Kadugodi, Bangalore	Karnataka	IT Park	Mind Space (Arcitect + Engineering + Interiors), 408, 12 Thmain, RMV Extension (P.No. - 080 - 51328001), Bangalore	358	1175419	20000 kVA	20000	9	44,928,000	38
173	IT Park, Hinjewadi, Pune	Maharashtra	IT Park	Abhikalpan	39374	211909	3000 kVA	3000	9	6,739,200	32
174	Lona Valley (Residential & Commercial), Vill - Dangargaon and Devale Pune	Maharashtra	Residential Complex	Information not available	42	26909775	8000kW	10000	24	59,904,000	2
175	Residential Cum Commercial Complex "Maitri Vehar", Panchpakadi, Thana	Maharashtra	Residential Complex	Archetype Consultants Pvt. Ltd., 101,102 Shree Sarika Apts, Above Shiv Sagar Resturant, Panchpakhadi, Thana	160	689967	16.87MW	21087.5	24	126,322,560	183

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
176	IT Park Plot No. - 3, ITC Industrial Area MIDC, Airoli, Navi Mumbai,	Maharashtra	IT Park	RSP Architects, Planners & Engineering (I) Pvt Ltd., 709, Balarama, 7th Floor, Bandra - Kurla Complex, Bandra (East), Mumbai	534.92	2114462	68072 kVA	68072	14	237,870,797	112
177	Knowledge City Lavale, Tq. Mulshi, Pune	Maharashtra	Office Building	Information not available	200	1918088	20973	26216.25	14	91,610,064	48
178	World Trade Park, JLN Marg, Malviya Nagar, Jaipur	Rajasthan	Office Building	R.S.P Architects Planning and Engineering Pvt. Ltd, Mumbai	209.29	176560	10MVA	10000	14	34,944,000	198
179	Guru Govind Singh Indraprastha University, Sec - 16 (c), Dwarka, New Delhi	Delhi	Educational Institute	Archi Group Architects, S/304, Sikka Complex, Preet Vihar Community, Vikash Marg, New Delhi 92.	43	2632867	11372kW	14215	14	49,672,896	19
180	Vasant Square Mall, Sector - B, Pocket - 5, Vasant Kunj, New Delhi	Delhi	Shopping Mall	Sanjay Kataria, Laarch Plan Pvt Ltd, 706, Shankutla Bldg., 59 Nehru Place, New Delhi-19	175	213125	3.37MW	4212.5	14	14,720,160	69



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181	Med City, Sec - 38, Gurgaon	Haryana	Hospital	Acrop Associates Pvt Ltd., E - 106, Greater Kailash Enclave New Delhi - 48	918	1873066	30MW	37500	24	224,640,000	120
182	Married Accommodation Project (Ministry of Defence), Sec - 21 & 22, Dwarka, Delhi	Delhi	Residential Complex	Information not available	94.85	3051568	2MW	2500	24	14,976,000	5
183	Shopping Complex "The Central Court", Lower Parel, S. No. - 464, Senapati, Bapat Marg, Mumbai	Maharashtra	Shopping Mall	Information not available	1140	724336	12673kW	15841.25	14	55,355,664	76
184	Residential & Commercial Complex, S.No. - 281/1, 282/1, 283/B/1, 287/1, Majiwade Vill, pokhran Road No. - 2, Thana (west) Maharashtra	Maharashtra	Residential+ Commercial Complex	Information not available	40.95	145646	1723.5kW	2154.375	24	12,905,568	89
185	Manyata Tech Park, Nagawara, Bangalore,	Karnataka	IT Park	RSP Architects, Planners & Engineering (I) Pvt Ltd. Bangalore	50	13067903	90.39MVA	90390	12	270,736,128	21

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186	Trivedi Tower's, CTS No.- 551/3, Nahur Village Near Nandanvan Industrial Estate, Mulund (east), Mumbai	Maharashtra	Office Building	Matrix Architects & Engineers Marathon House, Devidayal Road, Mumbai (west)	54.42	181888	3650 kVA	3650	12	10,932,480	60
187	Ludhiana City Center Saheed Bhagat Singh Nagar, Pakhowal Road, Ludhiana	Punjab	Shopping Mall	C.P. Kukresa & Associates, Aasherwad Building, D - 1 Green Park, New Delhi - 16	700	1272378	388910kW	36000	14	125,798,400	99
188	Multi Storied Commercial Complex, B - Block, Green Woods City, Sec - 45 & 46, Gurgaon	Haryana	Shopping Mall	A Sharma Associates, E - 75, East of Kailesh, Lower Ground Floor New Delhi - 110065	100	148017	4300 kVA	4300	14	15,025,920	102
189	Res. Cum Comm. Complex " TVH EKANTA", R.S. No.- 145 & 146, 12 B Upplipalayam Village Masakalipalayam Road, Dist- Coimbatore Tamil Nadu	TamilNadu	Residential Complex	K. S. A. Design Planning Services (P) Ltd., D.P.S Architects, Navrangpura , Ahamdabad	3600	302099	4900 kVA	4900	24	29,352,960	97

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190	Adarsh Palm Retreal, Bhaganahalli Village, Varthur Hubli, Bangalore (East)	Karnataka	Residential Complex	David Ashok Adarsh Developer's, 10 Vittal Mallya Road, Bangalore	489.724	2974853	46108 kVA	46108	24	276,205,363	93
191	Triton Mall Maharao sheikh Circle, Jatwara Road, Jaipur	Rajasthan	Shopping Mall	Laarch Plan Pvt Ltd, D - 2, Soami Nagar New Delhi 110017	105	77588	5000 kVA	5000	14	17,472,000	225
192	Viraj Special Economic Zone Vill - Aamgao, Tes - Wada, Thane	Maharashtra	Office Building	Information not available	330	27660385	5 MV (First Phase), 250MV(2nd Phase)	5 MV & 250MV	24	-	-
193	Empire Mall D - 5, MIDC Chikalthana, Aurangabad, Maharashtra	Maharashtra	Shopping Mall	Information not available	95	861113	5532kW	6915	14	24,163,776	28
194	SRR3 Expansion, Devarabeesanahalli, Varthur Hobli Bangalore	Karnataka	Shopping Mall	Jurong Consultants (I) Pvt. Ltd., Surong House 1/5, Palace Road, Bangalore	238.43	1854622	9000 kVA	9000	14	31,449,600	17
195	Hotel & Commercial Construction, Wakdewadi, Pune	Maharashtra	Hotel	Information not available	80	180016	3247 kVA	3247	24	19,450,829	108

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196	Gurgaon Recreation Park, Udyog Vihar, Phase - III, N.H - 8, Gurgaon	Haryana	Office Building	A Sharma Associates, E - 75, East of Kailash, New Delhi-65	276	175851	3440kW	4300	12	12,879,360	73
197	IT Park 169, Aarey Milk Colony, Goregaon, (East), Mumbai,	Maharashtra	IT Park	Information not available	192	3484773	7920 kVA	7920	14	27,675,648	8
198	Forum Value Mall S. No - 62, White Field - Village Whitefield Road, K.R Puram, Hubli, Bangalore (S)	Karnataka	Shopping Mall	Venkataramanan Associates, 10/2 - II Floor, O'Shaughnessy Road, Langford town, Bangalore	206.1	218603	2000 kVA	2000	14	6,988,800	32
199	IT Building, Navalur Village, Sr. No. - 1/1A, 1B, 1C, 1D, 1G, 1H, 1J, 1K & 1L, Chengalpattu Taluk, Kancheepuram, TamilNadu	TamilNadu	IT Park	M/S. Varsha & Pradeep, New No. - 7, 1st Floor, 2nd Street, Venkateswara Nagar, Adyar, Chennai	164	302397	8899kVA	11123.75	12	33,317,856	110
200	Residential & Commercial Complex Mundhawa, Pune	Maharashtra	Residential Complex	Information not available	90	5952442	Information not available		24	-	-

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201	Residential & Commercial Complex "Brigade Metropolis" Hoodi Main Road, Towards - ITPL, Mahadevpura - Village, Bangalore	Karnataka	Residential Complex	Thomas Associates	132.2	1568148	2000 kVA	2000	24	11,980,800	8
202	Industrial Park, (Phase V) Hood Village, White Field Road, Bangalore	Karnataka	Office Building	R.S.P Architects RSP House, Bangalore	130	2161845	3000 kVA	3000	12	8,985,600	4
203	ICC Devi Craruav Technology Park, Pimpre, Pune Road Mumbai,	Maharashtra	IT Park	Subhash Shah and Associates Arc. P. Ltd., Bachupai Building, 2nd Floor, Near globe Chamber, 16-Mangesh Shenoy Ist Part, Bombay	68	264469	4.5 MVA	5625	12	16,848,000	64
204	Commercial Complex Silakhera - II, Sector - 30, Gurgaon	Haryana	Office Building	Information not available	1018.86	1610281	56000 kVA	56000	14	195,686,400	122
205	Ansal IT Park, TZ-06, Tech Zone, Gharbhara - Village, Greater Noida	Uttar Pradesh	IT Park	R.S.P Architects RSP House, Bangalore	1068	3233479	58017 kVA	58017	12	173,772,518	54

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206	Up-gradation of Medical Unit, J.I.P.M.E.R, Pondicherry.	Pondicherry	Hospital	Information not available	102.2	8370240	2900 kVA	2900	24	17,372,160	2
207	Rose cum commercial Complex "Omaxe Heights", Gomti Nagar, Lucknow	Uttar Pradesh	Residential Complex	C.P. Kukreja Associates, Ashirwad Building, D-1, Green Park, New Delhi-16.	168	460212	5000 kVA	5000	24	29,952,000	65
208	Comemrzone (IT Park), Survey No. 144 & 145, Village Yeruxeda, Pune	Maharashtra	IT Park	Information not available	490.63	1118801	204.2 kW	255.24	12	764,495	1
209	Gold Soulk Wedding Mall, Village Kadian Jalandhar Bypass, Ludhiana	Punjab	Shopping Mall	Information not available	41.95	158113	2500 kVA	2500	14	8,736,000	55
210	Five Star Hotel, 21/4, Vittal Mallya Road Bangalore	Karnataka	Hotel	Thomas Associates, 32/4, Kaslurka Road Cross, Bangalore	166	119379	490 kVA	490	24	2,935,296	25
211	Hotel Cum office Complex, Village Shikohpur, Gurgaon	Haryana	Hotel	Information not available	262.63	524124	2959 kW	3698.75	24	22,156,992	42

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212	Contra Mall, 177-D, Industrial Area I, Chandigarh	Punjab	Shopping Mall	Information not available	36.55	51400	1280 kW	1600	14	5,591,040	109
213	Residential cum Commercial Complex, CTS No. 156/1 to 7, Village Ghatkopar LBS Marg, Ghatkopar (W)	Maharashtra	Residential Complex	Econ Pollution Control Construction	110.83	61564786	22.5 MVA	22500	24	134,784,000	2
214	Nealkanth Tech Park, Andheri (E) Division, Greater Mumbai, Maharashtra	Maharashtra	IT Park	Kinner Architect, Kulbere House, Plot No. C-17, New Link Road, Andheri (W), Mumbai	76	47867	22.5 MVA	22500	12	67,392,000	1,408
215	Office Building "Sahara Plaza" Andheri (E), Division, GreaterMumbai	Maharashtra	Office Building	Mohan Kr. Kurade & Associates, Arc. Engineers Bombay	160	38046870	8300 kVA	8300	12	24,860,160	1
216	Res & Comm. Complex "Spring field" 7951/A, & 1 to 15, Vill. Nahur, Muluand (E), Mumbai	Maharashtra	Residential+ Commercial Complex	Bhatnagar Ampre Kothari Arch. Interior design, 17/19, Wadia Bldg., 4 th floor, Dalal St. Fort, Mumbai	213	1250406	20299 kW	25373.75	24	151,998,912	122

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217	Res & Comm. Complex "Lok Bahar" Survey No. Pt. 312, 316, 318, 319 of village Majiwade, Ghodbunder Road Thane (W)	Maharashtra	Residential+Commercial Complex	Lok Architects, Lok Bhawan, Lok Bharti Complex, Marol Marosi Road., Andheri (E) Bombay	80	609819	630 kVA	630	24	3,773,952	6
218	IT Campus, Plot No. 139-140, NSE2, Noida	Haryana	IT Park	Vidur Bharadwaj Design & Development, Badarpur, Delhi	160	174375	4000 kVA	4000	12	11,980,800	69
219	Residential cum Administrative Building, Survey No. 469(A), Ramakrishana Chandshehar Marg, Chembur (W) Mumbai	Maharashtra	Residential Complex	Office of the Chief Architect, Maharashtra State, PWD, Mumbai	276.64	1226270	500 kW	625	24	3,744,000	3
220	IT Park, Plot No. 28, 29, & P1-2, Rajiv Gandhi Inform Techno Park, Himjawadi Hidcare, Pune	Maharashtra	IT Park	Architecture Division AK Suti Trade Centre Rd. No. 7, MIDC Andheri (E), Mumbai	450	2385788	19024.03 kVA	19024.03	12	56,980,775	24



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221	Commercial Cum Residential Complex	Maharashtra	Residential+ Commercial Complex	Shashikant V. Deshumukh, 1st floor, Konask tower Chamtali Rd, Thane	96.1	97499	Information not available	-	24	-	-
222	Commercial cum Residential Complex, Prakguti Park, CTS No. 95, Kolshet Thane	Maharashtra	Residential+ Commercial Complex	Archetype Consultancy (I) Pvt. Ltd, a/101,102, Shree sarika Apt. Panchpakhadi, Thane	19.92	201331	444960 kW	444960kW	24	-	-
223	Commercial Complex, Kasarwadavli Ghodburnder Road. Thane (W)	Maharashtra	Office Building	M.S Bakshi & Associates, 3, Ninana Society, Veer Savarkar Path, Thane	116.7	122836137	3350 kW	4187.5	14	14,632,800	-
224	Parsvnath Manhattan Mall, Plot No. 11, Sector 20-A, Faridabad	Haryana	Shopping Mall	Gian P. Mathur & Associates Pvt. Ltd., L-55, East of Kailash, New Delhi-110065	36	56511	1560 kW	1950	14	6,814,080	121
225	Light Engineering Special Economic Zone, Seekinau kuppan, Chayyuer, Kaunchipuram	TamilNadu	Office Building	Information not available	1225	13590513	130 MW	-	24	-	-

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226	Radisson Hotel, CTS No. 111 & 112, (PT), Village - Hariyali LBS Marg Kanjurmarg (W), Mumbai	Maharashtra	Hotel	Information not available	178.97	117079	2800 kVA	2800	24	16,773,120	143
227	IT/ITES SEZ, Budwari Village, Gurgaon	Haryana	IT Park	Information not available	285.5	10922678	37000 kW	46250	24	277,056,000	25
228	Centrum Plaza (Commercial Complex) Sector-53, Gurgaon	Haryana	Shopping Mall	Information not available	35	229404	3305.5 kW	4131.875	14	14,438,424	63
229	Nirmal Lifestyle, Village-Nalur, Mulund (W), Mumbai	Maharashtra	Residential Complex	Daisaria Associate, 294, SK Bole Road, Mumbai-400028	210	879327	Information not available	-	24	-	-
230	Project Garden, Andheri (E), Mumbai	Maharashtra	Residential Complex	Information not available	250	515064	6.7 MW	8375	24	50,169,600	97
231	Crystal Forum, KPHB Phase VII, Kukatsally, Hyderabad	Andhra Pradesh	Residential Complex	RSP Architetects, Planner & Engineers Pvt Ltd, RSP House, 30 Museum Road, Bangalore 560001	175	249077	11738.44 kVA	11738.44	24	70,317,951	282

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232	IT Park, Village Yerwada, Pune	Maharashtra	IT Park	Deshpande- Dixit Associates, B-7, Success Chambers, 1232 Apt Road, Pune-411004	490.63	1118801	3841 kW	4801.25	12	14,380,704	13
233	Time Tower, MG Road, Gurgaon, Haryana	Haryana	Office Building	Sanjay Puri Architects Pvt Ltd., Opp Famous Studio, Mahalaxmi, Mumbai	63.99	-	3600 kW	4500	12	13,478,400	-
234	Hiranandani Estate, Behind Municipal Commissioner Bungalow, Patilpada, Opp Ghodbunder Road, Thane (W)	Maharashtra	Office Building	Information not available	505	8058538	700 kVA	700	12	2,096,640	-
235	Township Project, Village-Dongra, Taluka Vasai, Thane. Maharashtra	Maharashtra	Residential Complex	Shah Gattari Consultants, 103 Lucky Palace, Station Road, Vasai West, Mumbai	493	10036700	75750 kW	94687.5	24	567,216,000	57
236	Commercial Complex (Today Hotels), Plot No-1, Okhla Community Centre, Okhla Phase-I, New Delhi	Delhi	Hotel	Information not available	113.86	96552	3350kW	4187.5	14	-	-

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237	SPCL IT Park, Udyog Vihar, Phase I, Gurgaon	Haryana	IT Park	SPAZZIO Architecture Pvt Ltd, S-296, GK II, New Delhi 48	101	200876	6000 kVA	6000	12	17,971,200	89
238	Hotel Crown Plaza, Plot no. 13A, District Centre, Mayur Vihar, Delhi-110096	Delhi	Hotel	Spectral Service Consultant Pvt Ltd, A-84, Sec-58, Noida	225	64917	2100kVA	2100	24	12,579,840	194
239	Plaza-M-6, Jasola, New Delhi	Delhi	Shopping Mall	Pradeep Sharma Associates, R-47, GK-I, New Delhi	72.18	44240	1450 kW	1812.5	14	6,333,600	143
240	Navi Mumbai SEZ, District Raigad, Maharashtra	Maharashtra	Office Building	Information not available	Information not available	-	Information not available		24	-	-
241	Shankarwadi, Village Mogra, Jogeshwari (E), Mumbai	Maharashtra	Residential Complex	City Gold Architectural Division, Akruiti Trade Centre, Road NO. 7, Marol MIDC, Andheri (E), Mumbai	32.28	122646	1230 kW	1537.5	24	9,210,240	75
242	Akme Encore - Commercial Project, Sr. No. 16/2, 19/1, 134/2, Kundalahali Village, K.R. Puram, Hubli, Bangalore	Karnataka	Residential Complex	RSP Architects	92.482	349349	2495 kVA	2495	24	-	1

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243	Farm House & Golf Course Sevaganapally & Koosthanapally Vill, Krishnagini	TamilNadu	Golf course	Mistry Architects, Bangalore	92	7307618	2000 kVA	2000	12	5,990,400	1
244	Orchid Centre, Sec 53, Gurgaon	Haryana	Office Building	Information not available	245.35	106850	4000 kW	5000	12	14,976,000	140
245	DLF South Court, Plot No. A1 & P2B, Saket Place, Saket, New Delhi	Delhi	Shopping Mall	Information not available	245.35	149403	5000 kVA	5000	14	17,472,000	117
246	Residential & Commercial Complex, Madgon, Mumbai	Maharashtra	Residential+ Commercial Complex	Vivek Bharti & Consultants Pvt Ltd., 764-E, Umrigar Building, Parse Colony, Tilak Road, Dadar, Mumbai	50	52269	2435.3	3044	24	18,234,778	349
247	Commercial complex, Kheta No. 799, Bellandu Village Varthure, Hubli, Outer Ring Road, Bangalore	Karnataka	Office Building	Venkatara Manon Architects	122.57	318857	5.7MW	7125	14	24,897,600	78
248	Mohan Paradise - Commercial Complex, Ph - I, II, III, S.No. 3/6, 3/7, 4, 26/14, 28/1, Ghandware Vill - Kalyan (w), Thane	Maharashtra	Shopping Mall	Dhadnis & Associates, Vasant Gr. Floor Sahayog Mourdi road, Ghantali, Thane	33.7	365112	126kVA	126	14	440,294	1

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249	Courtyard DLF Shopping Complex, Plot No. A-4. P1A, Saket Place, Saket,	Delhi	Shopping Mall	Design Plus, New Delhi	350	245392	9000 kVA	9000	14	31,449,600	128
250	Commercial & Residential Complex, Plot No. 39/1, 39/6 to 39/15, Sector 30A, Vashi, Mumbai	Maharashtra	Residential+ Commercial Complex	Rajesh Kulkarni, Mumbai	92.3	329605	10000kW	12500	14	43,680,000	133
251	DT City Center, Community site, Block - A, Salimar Bagh, New Delhi	Delhi	Shopping Mall	Design Plus, 149 - D, Okhla Ind., Estate - III, New Delhi	53.32	152256	3074	3842.5	14	13,427,232	88
252	Multiplex & Commercial Complex, S No. 8, Khata No. 320, CMC Dasarhalli, Tumkur Road, Valhalli Cross, Bangalore	Karnataka	Shopping Mall	Information not available	5.39	38586	457.5kW	571.8	14	1,998,098	52
253	Commercial complex, Harine Lines, CTS No. 2139, Bhuleshwar Division in 'C' Ward, Mumbai	Maharashtra	Office Building	Information not available	627	106326	4963	6203.75	14	21,678,384	203

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
254	Vasant Valley - Commercial Complex, S.No. 23, H.No. 4(PT) & S.N. 22 (PT), Village Gaudhare, Kalyan, Thane	Maharashtra	Shopping Mall	Dilip Tambday & Associates	40	524848	3000	3750	14	13,104,000	25
255	Shopping Mall Hotel City center, Vastrapur, T.P. Scheme No. 1, Final Plot No. 216, Ahamdabad	Gujarat	Shopping Mall	Arcop Associates Pvt. Ltd., E-106 G.K. Enclave - I, New Delhi	453.79	371355	8000kW	10000	14	-	-
256	Hotel Building, S.No. 32/1, A & B, Sesp Plot, Wadgaonshere, Pune	Maharashtra	Hotel	Edifice Architects Pvt. Ltd., 3rd floor, Srerams Arcads, Opp Govandi Post office, Govande, Mumbai	80	163870	3MV	3750	24	22,464,000	137
257	IT Park, Mambalan - Guidy / Mylapore, Triplieane, Chennai	TamilNadu	IT Park	Architect Team 3, Singapore	290	435597	14000MVA	-	12	-	-
258	VAPI Center (Tal parde), Village Savlaw, Distt. Valsad,	Gujarat	Office Building	Ortega Shah Steimman & Associates Pvt. Ltd	48	193906	15000	18750	12	56,160,000	290

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
259	Prestige Golf Resort & Convention Centre, Survey No. 9, 10, 11, 12, 13, Kotagi Thimanahalli, Vill Kundana Hubli, Bangalore	Karnataka	Golf Course	Maps Design Studio, 754A, North Bridge, Singapore	670.3	4878682	6.7MVA	6700	24	40,135,680	8
260	Commercial Building, Sy no. 10 & 12, Ramagaedanahalli Vill Varatheer Hobli, Bangalore East Taluk, Bangalore	Karnataka	Shopping Mall	Aquateoh Eamro Engineers Bangalore	15.33	70310	2063.14	2578.925	14	9,011,796	128
261	Construction of Commercial & Hotel Building, CTS No. 25-B, off Vill - Chakala, & 215-A of, Village Mudgaon on sup - plat at M.V Road Andheri (E), Mumbai	Maharashtra	Hotel	P.G. Patki, Architect Pvt. Ltd., Caloot House, Tamarend Lane, Mumbai	152	187737	6000	7500	24	44,928,000	239
262	New Software Technology Park Plot No. 78, 79, 83 EPIP, White field, Bangalore,	Karnataka	IT Park	Edifice Architect Pvt. Ltd., No. 8, palm groove road, Austin town Bangalore, Bangalore	82	132318	3200 kVA	3200	12	9,584,640	72



## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
263	General Pool Office Building, INA, New Delhi	Delhi	Office Building	CPWD Arch Dept, Senior Architect - IV, 426 A Wing CPWD Nirman Bhavan, New Delhi	47.18	332802	Not Available	Not Available	12	-	-
264	Gold Souk Shopping Mall, Plot No. 2 Jagatpura road Near Jawahar circle, Jaipur	Rajasthan	Shopping Mall	Maithel & Associates Architects Pvt. Ltd.	79	107639	15,000 kVA	15,000	14	52,416,000	487
265	IT Park Kalyani Magnum, Bilekhalle Village Begur Hople Bangalore	Karnataka	IT Park	S&S Associates (Const., Engineering 7 Arc), 926, 3rd Floor, 17th main, Rajnagar, Bangalore	35	375702	Information not available		12	-	-
266	Dorabjee Paradise - Commercial building Mohan Edwadi, Pune	Maharashtra	Shopping Mall	Sunil Vartak & Associates, Office No. 104. West wing Arora Towers, Pune	90	696955	2000 kVA	2000	14	6,988,800	10
267	Software Park (IT-SEZ), Pajiru, Dakshina Kanada	Karnataka	IT Park	Hafeez Contractor, 29 Bank Street, Bombay	771	13584517	11 kVA	11	12	32,947	0

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
268	Residential & Commercial Complex F.P. No. 284, 458, 459, 495, 497 & 498, Village Panvel, Opp panchmukhe Murti Mandir, Raigad	Maharashtra	Residential+ Commercial Complex	Information not available	182	693336	19530	24412.5	24	146,240,640	211
269	Shopping Mall cum - Multiplex, Bhuwana Residential scheme Phase - II, NTI 8, Bhuwana, Udaipur	Rajasthan	Shopping Mall	Panika, Amrit-Lila Bewglow, Off Nagari Hospital road, near Gujral College, Ahamedabad	96	548678	3850 kVA	3850	14	13,453,440	25
270	Prestige Vijay Mall, T.S No. 5/3, 5, 7, 23, Saligramam Village, Naugambakkam Taluk, Chennai	TamilNadu	Shopping Mall	Information not available	385	579779	10,900 kW	13625	14	47,611,200	82
271	IT Park, CP - 5 HSIDC, IMT Manesar, Gurgaon	Haryana	IT Park	Information not available	244.45	410637	12MW	12000	12	35,942,400	88
272	Office Building, Village Bapnalla, Sahar, Andheri (E), Mumbai	Maharashtra	Office Building	Subas Joshi, Olympia Control Avenue, Hiranudai Business Park, Powai, Mumbai	26.51	133047	4455	5568.75	12	16,679,520	125

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
273	Unique Hospital & Research Institute, Sec 19, Dwarka, New Delhi	Delhi	Hospital	Archi Health Care ME Architect, L-7, Green Park New Delhi	185	339085	4MW	4000	24	23,961,600	71
274	Unitech Valdel Valwaik shopping Mall, Jaraganall, Uthara Halli Hobil, J.P. Nagar, Bangalore	Karnataka	Shopping Mall	Pankaj, Sangwar Associates, C-1180, Sushant Lok, Gurgaon	54	174064	3076.50kW	3845.625	14	13,438,152	77
275	Celebration Mall, Batala Road, Amritsar	Punjab	Shopping Mall	Sapna Kumar & Associates, Green park, New Delhi	47.72	52506	2400 kVA	2400	14	8,386,560	160
276	Skyline Corporate Park, CTS No. 1628/A, 1628/B, 1628/C of Village Marol, Andheri (E), Mumbai	Maharastra	Office Building	Daisaria Associates, 301, Bhaveshwar Market, M G Road, Ghatkopar (East), Bombay	-	209778	Information not available		12	-	-
277	Amaura Township, Village Hadapsar, Pune	Maharastra	Residential Complex	4th Dimension Design Consultant Pvt Ltd.	1180	14200450	64MVA	64000	24	383,385,600	27

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
278	ONGC Office Complex, Plot No. C-13, G - Block, Bandra Kurla, Complex Bandra (E), Mumabi	Maharashtra	Office Building	Information not available	148	76759	2514kW	3142.5	12	9,412,416	123
279	SRA Scheme, Vill Mahul Near Chembar, Mumbai	Maharashtra	Office Building	Aparna Arch Consultant Pvt. Ltd., A/203 Shah Arcade Rani Sati Marg, Malad (E), Mumbai	253	-	3553	4441.25	12	13,302,432	-
280	Office Building, Bandra Kurla Complex, Mumbai	Maharashtra	Office Building	SENES Consultant India Pvt. Ltd., 711, Mayank Conwar Building, Plot No. 37, Navi Mumbai	53.97	130685	8600 kVA	8600	12	25,758,720	197
281	Rajiv Gandhi InfoTech Park, Phase II, Hirjawadi MIDC Area, Pune	Maharashtra	Office Building	Sobha Develpoers Pvt. Ltd. (Architect, Eng, Builders, Deve), E-106, Ulroar road, Banpor	612.5	485452	5MVA	5000	12	14,976,000	31
282	Commercial Complex, Palam Vihar, Gurgaon	Haryana	Shopping Mall	Jasbir Sawhney & Asso. Indra Gandhi National CentreArts, Janpath, ND	39.43	337987	4330	5412.5	14	18,913,440	56

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
283	Town Square - Complex, Plot M-3, Sector - 18, Noida	Uttar Pradesh	Shopping Mall	Design Plus	533	584480	14MVA	14000	14	48,921,600	84
284	Hotel Renaissance, No. 17, 17/1, Madavanagar Ext. Race Course, Leoplane, Ward no. 77, Bangalore	Karnataka	Hotel	Thomas Associates	88.39	78093	4157 kVA	4157	24	24,902,093	319
285	Prestige Cyber Tower Software Park, Karapakkam Village, Tduparam Taluk, Kancheepuram	TamilNadu	IT Park	Information not available	105.96	120660	4314	5392.5	12	16,151,616	134
286	Capital Complex High Court Building, Mantripukhi, Imphal	Manipur	Office Building	Aegis International & Associates, New Delhi	101.06	540140	750 kVA	750	12	2,246,400	4
287	Shopping Mall cum Multiplex Complex, Village Khajrana, Near MR 10 Bypass, Indore	Madhya Pradesh	Shopping Mall	Information not available	360	850600	31338 kVA	31338	14	109,507,507	129
288	ILD Trade Centre, Sector 47, Sohna road, Gurgaon	Haryana	Office Building	Design Plus	70	187851	4500	5265	12	15,769,728	84

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
289	Seven Hill Hospital, Survey No. 155 (pt) 165 (pt) 162 (pt) 168 (pt), Municipal 'K' ward East in Village Marol, Andheri (E), Mumbai	Maharashtra	Hospital	Information not available	229.92	754066	500kW	625	24	3,744,000	5
290	Community Centre cum commercial complex, Sector 5, Pushpa Vihar, New Delhi	Delhi	Shopping Mall	Kothari Associates Pvt. Ltd., G-65, Connaught Circus, New Delhi	90	266837	3000	3750	14	13,104,000	49
291	Canara Bank Office Building, Plot No. C-14-G Block, Bandra - Kurla Complex, Bandra (E), Mumbai	Maharashtra	Office Building	Information not available	184	76759	1500 kVA	1500	12	4,492,800	59
292	Shopping Mall cum Multiplex, Khasra No. 68/1 & 70/1, Sukh Sagar, Valte, Polypathar, Narmada Road, Jabalpur	Madhya Pradesh	Shopping Mall	Information not available	25	-	7MW	8750	14	-	-

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
293	Commercial Building, Survey No. 7 & 8, Village Bandra (W), Mumbai	Maharashtra	Shopping Mall	Sunita .R. Sakrikar	147	341162	5000 kVA	5000	14	17,472,000	51
294	Head Office Building (SEBI), Plot No. C4-A, G Block, Bandra Kurla, Mumbai	Maharashtra	Shopping Mall	Pheroze Kudinavala Consaltants Pvt. Ltd., Mackimnon Mckenzie Building, Ballard Estate, Mumbai	90.47	62499	1400 kVA	1400	14	4,892,160	78
295	Software Technology Park, Kundalahalli Village, Krishnarajapuram Hobli, Bangalore	Karnataka	IT Park	Information not available	17.45	-	2000 kVA	2000	12	5,990,400	-
296	Information Technology Park, Plot No. C.P-1, Sec 8 IMT, Manesar, Haryana	Haryana	IT Park	DFA Design Forum of Architects, R - 47, G.K. - I, New Delhi	200	411311	14200kW	17550	12	52,565,760	128
297	Delhi Metro Rail Corporation IT Park, Shastri Nagar Delhi	Delhi	Office Building	R Chakrapari & Sons, Ward 11, front room, 3rd Main road Barant Nagar, Chandigarh	73	215278	4.9MVA	4900	12	146,764,800	68

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
298	IT - SFZ Project, Dindhera, Sector 21, Gurgaon	Haryana	IT Park	Rajendra Kumar Associates, B-6/17, Shopping center, Sufdarjung Enclave, New Delhi	535	1246461	31510kW	39387.5	24	235,946,880	189
299	Commercial Complex, Plot No. D - 1 & P3A, Saket place, New Delhi	Punjab	Shopping Mall	Paradeej Shareva Architects Pvt. Ltd., A-221, Defence Colony, New Delhi	173.88	50052	2380kW	2975	14	10,395,840	208
300	Cosmo Plaza Multiplex, Village Bishanpura / Bishangarh Mohali, Zirakpur	Punjab	Shopping Mall	Swastik Vihar Sec 5, Mansadevi complex, Punchkula	100.5	143095	3000kW	3750	14	13,104,000	92
301	IT Complex, S.No. 12A/23, FP No. 9A, Erandwana, Pune	Maharashtra	IT Park	Edifice Architects Pvt. Ltd.	54	128693	2154	2692	14	9,406,925	73
302	Western Hotel, Site No. 1, Sector 29, Gurgaon	Haryana	Hotel	Information not available	278.22	180834	3800 kVA	3800	24	22,763,520	126
303	RMZ Millenia Business Park, Perwngudi Village - Tambanim, Kanchipuram, Chennai	TamilNadu	Office Building	RSP ARCHITECTS, Bangalore	97.3	-	18MW	22500	12	67,392,000	-



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Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
304	Ranwal Town Centre, CTS No. 166, 166/1 to 23, Ghatkopar (E), Mumbai	Maharashtra	Office Building	Architects Department Renwal Group, Mumbai	100	870539	165 kVA	165	12	494,208	1
305	IT Park, CTS No. 34 (F P No - 61) Santacruz (E), Mumbai	Maharashtra	IT Park	Edifice Architects Pvt. Ltd., 3rd floor, Sriram Arcade, Opp Gonavdi Post office, Govandi, Mumbai	106.23	230692	5688 kVA	5688	12	17,036,698	74
306	Pioneer IT Park, Plot No. P-5, S No. 1, Uppal Road, Uppal village, Ranuga Raddy Distt, Hyderabad	Andhra Pradesh	IT Park	RAGA Architects, 602, Swapnalok, Secunderabad	200	131223	6000 kVA	6000	12	17,971,200	137
307	South Point Mall, DLF City Ph - V, Sector 53, Gurgaon	Haryana	Shopping Mall	Information not available	69.76	142528	3750 kVA	3750	14	13,104,000	92
308	Multi Utility Hospitality Complex, Ichchapore, GIDC - XII, Village Bhatpore, Surat	Gujarat	Hospital	Sthapati Designerd & Consultants Pvt. Ltd.	450	5022440	2400 kVA	2400	24	14,376,960	3
309	DLF IT Park, Sector 20, Gurgaon	Haryana	IT Park	Information not available	392.43	514698	20,910 kVA	20,910	12	62,629,632	122

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
310	Uniwold Resorts INFOSPACE SEZ, Sector 48, Village Tikri, Gurgaon	Haryana	Hotel	Information not available	499	1080280	27210	34012	24	203,745,485	189
311	Intel's SRR Campus, 23-56 P, Dcevarabecsan Hally, outer Ring Road, Varthur Hubli, Bangalore	Karnataka	IT Park	Jurong Consultants (India) Pvt. Ltd., Jarons House 1/5, Palace Road, Bangalore	238.43	1854622	9000 kVA	9000	12	26,956,800	15
312	Hotel Village Paspoli, Pawai, Sai Vihar Road, Mumbai	Maharashtra	Hotel	Bihari Land, Construction House - A, 24th Road, Khar, Mumbai	533.8	655400	9MVA	9000	24	53,913,600	82
313	Prestige Palladium Office Building, RS No. 43/1, Numgambakkam Vill, Egmore - Door No 129 - 140, Greams Road, Chennai	TamilNadu	Office Building	RSP Architetects, Planner & Engineers Pvt Ltd, RSP House, 30 Museum Road, Bangalore	116	92451	2656 kVA	2656	12	7,955,251	86
314	Ahrihant Insight IT Park, Manur Village A Mlatham, Thiruvallur District, Chennai	TamilNadu	IT Park	Natraj & Vankat Associates, Oxford Centre, Chennai	39.5	150196	2500 kVA	2500	12	7,488,000	50

## ANNEXURE E: MOEF-CLEARED BUILDINGS SURVEY DETAILS

Sr. No.	Name/Address of the Building	State	Category	Name/Address of Architect	Estimated Cost of Construction (in Crore)	Total Covered Area (in sq ft)	Connected Load/Contract Demand (As Collected from field)	Contract Demand (kVA)	Working Hour (Assumption)	Annual Energy Consumption (Units)	Anticipated Annual Energy Consumption per Sq ft (kWh/Sq ft)
315	Commercial Premises, Maftlal Mill Ltd. C.S No. 166, N M Joshi Marg, Lower Parel, Mumbai	Maharashtra	Office Building	Pushkar Consultants, 9, Sonoo, Ground Floor 28 <sup>th</sup> Road, Bandra (W), Mumbai	48.08	292384	2188.1kW	2735.12	12	8,192,231	28
316	Anti Tech Park, 16, (SP) Developed Corp Jawahar Lal Nehru Sarai, Indus Estate Guindy, Chennai	TamilNadu	IT Park	Information not available	Information not available	178808	3200kW	4000	12	11,980,800	67
317	Commercial Building, S No. 221 to 231, Pinjewadi, Pune	Maharashtra	Office Building	Information not available	80	-	700kW	875	14	3,057,600	144

## OVERVIEW OF MoEF CLEARED COMMERCIAL BUILDINGS

In case of MoEF cleared projects a database of 317 buildings has been prepared. Most of those structures fall within the states of Delhi, Andhra Pradesh, Tamil Nadu, Karnataka and Maharashtra. The projects stretch from residential complexes to office buildings and from hotels to shopping malls.

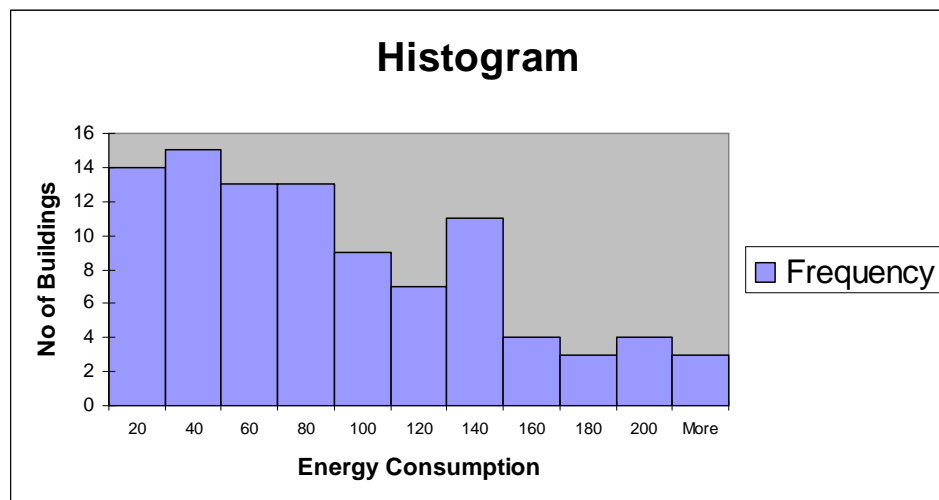
Out 317 buildings from the database, analysis of 230 has been done. For rest of the buildings, the analysis could not be performed due to unavailability of complete data. Having statistically analyzed the projected energy consumption pattern of the MoEF buildings in Warm and Humid, Composite and Temperate zone the below mentioned conclusions were drawn. These conclusions display a high standard deviation for a given mean value of the sample.

### 1. Zone-Warm and Humid

The total number of buildings for which analysis has been done is 96 and the projected mean energy consumption for the same is 80.83 units per square feet per year. The average energy consumption ranges from as low as 3.41 to as high as 238.24 units per square feet of area per year. The standard deviation of the sample is as high as 56.74. This reflects a wide variation in energy consumption per square feet of area. The projected energy consumption of the sample shows positive Skewness of 0.69.

Summary Statistics for Warm and Humid Zone

Parameter	Value	Range	Frequency
Mean	80.83	0-20	13
Standard Error	5.79	20-40	16
Median	73.47	40-60	13
Mode	170.83	60-80	13
Standard Deviation	56.74	80-100	9
Variance	3219.74	100-120	7
Skewness	0.69	120-140	11
Range	234.82	140-160	4
Minimum	3.41	160-180	3
Maximum	238.24	180-200	4
No of Buildings	96	More	3

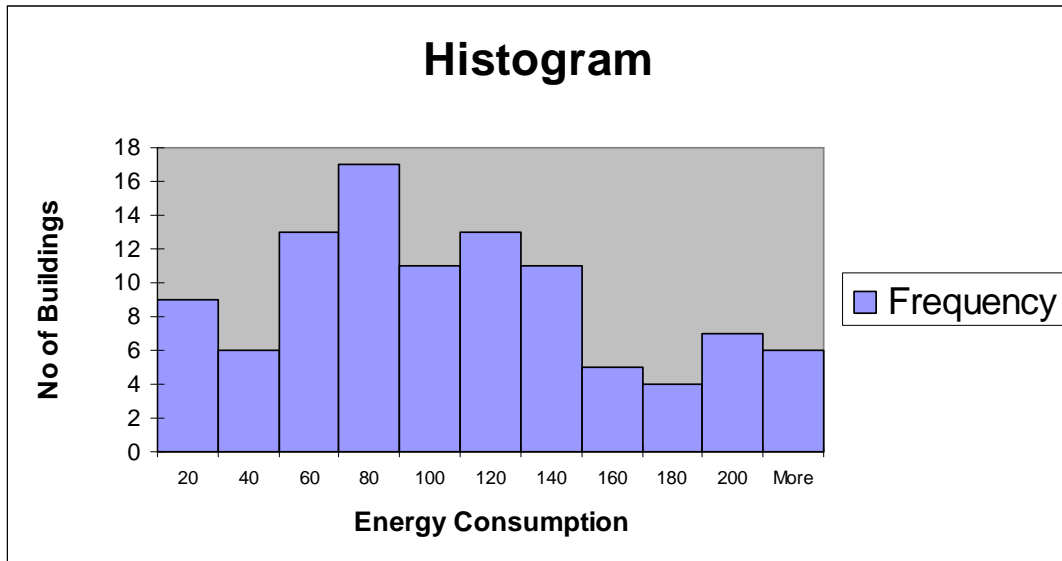


## 2. Zone-Composite

The total number of buildings for which analysis has been done is 102 and the projected mean energy consumption for the same is 98.35 units per square feet per year. The average energy consumption ranges from as low as 1.90 to as high as 374.00 units per square feet of area per year. The standard deviation of the sample is as high as 61. This reflects a wide variation in energy consumption per square feet of area. The projected energy consumption of the sample shows positive Skewness of 1.06.

### Summary Statistics for Composite Zone

Parameter	Value	Range	Frequency
Mean	98.35	0-20	9
Standard Error	6.10	20-40	6
Median	89.33	40-60	13
Mode	103.55	60-80	17
Standard Deviation	61.66	80-100	11
Variance	3801.36	100-120	13
Skewness	1.06	120-140	11
Range	372.10	140-160	5
Minimum	1.90	160-180	4
Maximum	374.00	180-200	7
No of Buildings	102	More	6



## 3. Zone-Hot & Dry

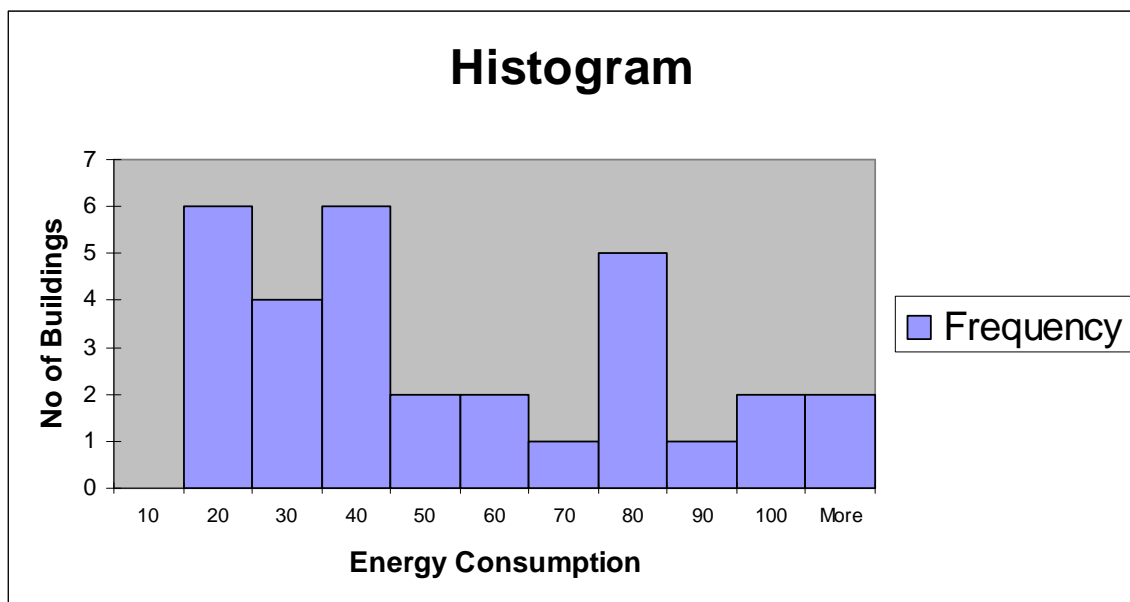
As the database contains only 4 building, so due to this low figure, analysis will not be relevant.

#### 4. Zone-Temperate

The total number of buildings for which analysis has been done is 31 and the projected mean energy consumption for the same is 49.83 units per square feet per year. The average energy consumption ranges from as low as 11.16 to as high as 122.13 units per square feet of area per year. The standard deviation of the sample is as high as 31.91. This reflects a wide variation in energy consumption per square feet of area. The projected energy consumption of the sample shows positive Skewness of 0.75.

#### Summary Statistics for Temperate Zone

Parameter	Value	Range	Frequency
Mean	49.83	0-10	0
Standard Error	5.73	10-20	6
Median	38.22	20-30	4
Mode	N/A	30-40	6
Standard Deviation	31.91	40-50	2
Variance	1018.22	50-60	2
Skewness	0.75	60-70	1
Range	110.97	70-80	5
Minimum	11.16	80-90	1
Maximum	122.13	90-100	2
No of Buildings	32	More	2



#### 5. Zone-Cold

There was no building identified in the cold climatic zone which accomplish the criteria.

**ANNEXURE F:  
SURVEY FORMAT**

## Situation Analysis of Commercial Building in India

No:

GENERAL INFORMATION (BUILDING)					
Name of the Building					
Address of the Building					
		City		Pin Code	
Name of Architect					
Address of Architect					
		City		Pin Code	
Estimated Cost of Construction (in Lacs)					
Total Covered Area (in sq m)					
Present Status		Occupied:		Under construction:	
		The date of construction)		Likely date of completion	
				Likely date of completion	
ENERGY LOAD OF BUILDING					
Connected Load of Building					
Hours of Operation:					
Annual Energy Consumption		ANNUALY		MONTHLY	
		M1	M2	M3	M4
		M5	M6	M7	M8
		M9	M10	M11	M12
CONTACT PERSON					
Name:					
Designation:					
Address:					
		City		Pin Code	
Phone no:					
Email:					