

INDIAN INSTITUTE OF TROPICAL METEOROLOGY
PASHAN, PUNE - 411 008

Tender No. IITM/EM/26//2012

e - TENDER NOTICE

Director, Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, Pashan, Pune-411 008 (India) invites sealed tenders(Techno-commercial bid) for the below work from electrical contractors having valid Electrical Contractor License.

Name of the work: Underground cabling work for IITM residential Complex – Pune.

Tender documents can be downloaded from e-procurement web site <http://www.eprocure.gov.in> or from Institute's website <http://www.tropmet.res.in> and also can be obtained from the electrical wing of the Institute.

Last date of receipt of Tender at IITM, Pune: 06/02/2013 at 12:30 Hrs

Opening of Tenders : 06/02/2013 at 15:00 Hrs

The Institute reserves the right to reject any or all tenders without assigning any reasons thereof. For further details please visit our website www.tropmet.res.in and www.eprocure.gov.in Corrigendum if any will be published on the above websites only.

Electrical Engineer
For Director
Email: jnanesh@tropmet.res.in

Annexure # 1

NOTICE INVITING TENDER FOR**Underground cabling work for IITM residential Complex-Pune****Tender Notice No. : IITM/EM/26/2012**

Institute wish to carry out underground cabling work from the outside licensed electrical contractors for the conversion of all old overhead- lines for 'VARSHA' residential complex. An approximately measurement of underground cabling is about 1,500 meters. All liasoning work has been approved from required authority. Necessary electrical works has to be carried out by the bidder as mentioned in the tender document. Details of works, terms and conditions etc. are given below.

Name of Work	Underground cabling work for IITM Residential VARSHA Complex - Pune.
Earnest Money Deposit (EMD)	Rs.47,000=00 (Rupees Forty Eight thousand) Only by Demand Draft, drawn from any Nationalized or Scheduled Banks in India payable at Pune in favor of The Director, Indian Institute of Tropical Meteorology, NCL Post, Pashan, Pune-411008 .
Last date for submission of bids	Bids to be submitted on or before 06/02/2013 at "Dispatch Section", Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, NCL Post, Pashan, Pune - 411008
Opening of Tender	06/02/2013 at 15:00 Hrs

QUALIFICATION CRITERIA:

The following documents to be submitted along with bid else disqualified:

- 1) Valid Electrical Contractor License for working as electrical contractor for HT and LT line works issued by Maharashtra state/ state administration of the state in which the contractor is working.
- 2) Annual turnover of minimum ten Lakhs in all kind of electrical work during last Three financial years ending on 31st march 2012.
- 3) Completion of at least two underground cabling contracts from previous 36 months prior to tender opening.
- 4) EMD of **Rs 47,000=00 (Rupees Forty Eight thousand only)** by Demand Draft, drawn from any Nationalized or Scheduled Banks in India Payable at **Pune** in Favor of the **Director, Indian Institute of tropical Metrology, NCL Post, Pashan, Pune - 411008.**

Details of Execution of works:

- 5) Underground cabling to be done by excavation & refilling the trench with suitable sq.mm cable as per drawing, for depth of 0.8M and 0.3M width.
- 6) Before quoting the bidder has to clearly check the site, drawings, should confirm all make and specification of material. Works has to be carried out as required by IITM.
- 7) The Techno-commercial bid is to be submitted in sealed envelopes each duly superscribed with name of work and Tender No. IITM/EM/26/2012 before last date. Each page of terms and conditions should be read by party and on acceptance, company authentication seal to be put and submitted along with bid
- 8) The total measurement of underground cabling needs to be done is approximately about 1,500 meters.
- 9) Measurement and Quantity of materials shown in the tender are approximate and payment shall be made as per actual measurement. The successful tenderer will not be entitled for any sort of compensation towards materials procured/stored in excess of the final measured quantities.
- 10) Detail measurement of work carried out shall be taken jointly by successful tenderer and IITM authorized representative. All works shall be measured as per the procedure laid down. Payments will be made as per measured quantities and not as per tender schedule quantities.

- 11) The work needs to be carried out depending on site conditions. At some places like road crossing RCC full round pipe to be laid. Both street light cabling and power cabling to be done as specified in drawing.
- 12) Suitable foundation for street light pole and feeder pillars to be done with appropriate earthing.
- 13) The feeder pillar must be of IP65 grade, with HRC fuses and PVC sleeved bus bars and also with complete end termination with brass and lugs has to be done. Street light FEEDER pillar with HRC fuse and 200A MCCB, PVC sleeved bus bars, electronic timer; contactor etc with proper distribution of street light cabling has to be done.
- 14) Removal of old poles & overhead line old conductors and transport to MSEB stores to be done.
- 15) The LED fittings should be having 3 years warranty. If fitting found burnt or damaged, it is the duty of contractor to replace the faulty.
- 16) The bracket should be of decorative type and suitable arm bracket should be provided as per drawing. The bracket should be approved by Electrical Engineer before installing.
- 17) Octagonal pole with 70 micron thick galvanizing with height of 7 M pole and pole thickness of 4MM to be provided. The foundation should be done by hot dip galvanized bolts and nuts. The pole should have inbuilt junction box.
- 18) The 4 arm decorative bracket with fitting should be provided at the main circle as shown in diagram.
- 19) All tools felt necessary for execution of the work should be arranged by the contractor.
- 20) **Materials:** All materials required for execution of work should confirm to the standard specification and should be approved by the Engineer in charge before actually put to use. Commencement of work without prior approval shall be entirely at the risk and cost of the contractor.
- 21) **Tools:** Any tools felt necessary for execution of the work should be arranged by the party/bidder.

- 22) **Safety:** It shall be the duty of the contractor to acquaint his staff with all safety regulations as proposed by any statutory authorities.
- 23) The contractor shall indemnify IITM against any violation of safety laws, rules and regulations while carrying out works as required by the contract.
- 24) All liabilities, owing to injury/death due to negligence or miscommunication or during discharging work of the staff of the contractor, will be to the contractor and what so ever the work, in any case IITM will not be responsible for any liabilities of injury/death etc. It's the duty of contractor to guide the staff regarding safety measures.

Payment Terms:

- 25) No advance payment will be done
- 26) Payment of 60% of material value on supply of material at site. 97% of total bill, including remaining 40 % of material value, on satisfactory work completion, commissioning, testing charging and handing over the site.
- 27) 3% of total contract value will be retained and will be released after successful completion of three year defect liability period

28) **Penalty Clause:**

If contractor fails to work, install and commission the system within due date as mentioned in the work order, the contractor is liable to pay liquidated damages of 1% value of the bill awarded, for per week delay subject to a maximum of 10% beyond the due date.

- 29) Contractor has to quote as per Annexure # 2.

Annexure# 2**BILL OF QUANTITIES**

Name of Work: Underground cabling work for IITM Residential VARSHA Complex - Pune.

- 1) All taxes must be clearly specified and total amount must include all taxes.**
- 2) All materials required for execution of work should confirm to the standard specification and should be approved by the Engineer in charge before actually put to use. Commencement of work without prior approval shall be entirely at the risk and cost of the contractor.**
- 3) All Cables should be of make Polycab/havells/finolex**
- 4) All MCCB's should be of Siemens/L& T/Schneider.**
- 5) Feeder pillar's should be of IP65 grade and approved by MSEB.**
- 6) LED lights should be of Wipro/Philips/Crompton/Bajaj.**
- 7) Octagonal pole with 70 micron thick galvanizing with height of 7 M pole and pole thickness of 4MM to be provided .The foundation should be done by hot dip galvanized bolts and nuts. The pole should have inbuilt junction box.**
- 8) All brackets should be of decorative type.**
- 9) 63A Contactor should be of make Siemens /L &T /Schneider**
- 10) Electronic timer should be of make L & T/Siemens/Schneider**

Annexure # 2 Continued....

Sr. No	Item Description	Unit	Approx Quantity	Rate	Amount
1	Excavation & refilling the trench with suitable sq.mm cable, as required for depth of 0.8M and 0.3M width.	mtr	1,500		
2	Provision of 3.5X300 sq. mm Al Armoured cable.	mtr	40		
3	Provision of 3.5X185 sq. mm Al Armoured cable.	mtr	780		
4	Provision of 3.5X70 sq. mm Al Armoured cable.	mtr	37		
5	Provision of 3.5X35 sq. mm Al Armoured cable.	mtr	500		
7	Provision of 4X10 sq. mm Al Armoured cable.	mtr	1200		
8	Termination with lugs, glands hardware etc. & complete connection.(above 120 sq. mm)	No.	25		
9	Termination with lugs, glands hardware etc. & complete connection.(below 120 sq. mm)	No.	50		
10	250A Mini Feeder pillars with HRC fuse, PVC sleeved bus bars including earthing & foundation.	Nos	9		
11	Street light FEEDER pillar with HRC fuse and 200A MCCB, electronic timer, contactor etc as specified in tender and drawing.	Nos.	1		

12	4- Way 400A feeder pillars with 400A MCCB, HRC fuse, foundation with earthing.	Nos.	2		
13	Removal of poles & old conductors and transport to MSEB stores.	Nos.	19		
14	Street light poles as specified in tender with foundation and earthing.	Nos.	18		
15	72 W LED fitting with decorative brackets with suitable arm as per drawing and as per tender	Nos.	40		
16	4 arm Decorative bracket with 48W led fitting as per drawing and as per tender	Nos.	1		
16	RCC Pipe full round 150 mm	mtr	100		
17	Taxes (all taxes should be clearly specified)				
	Total	----- (inclusive of all taxes)			

For more details contact:

Jnanesh

Electrical Engineer,

Electrical Division,

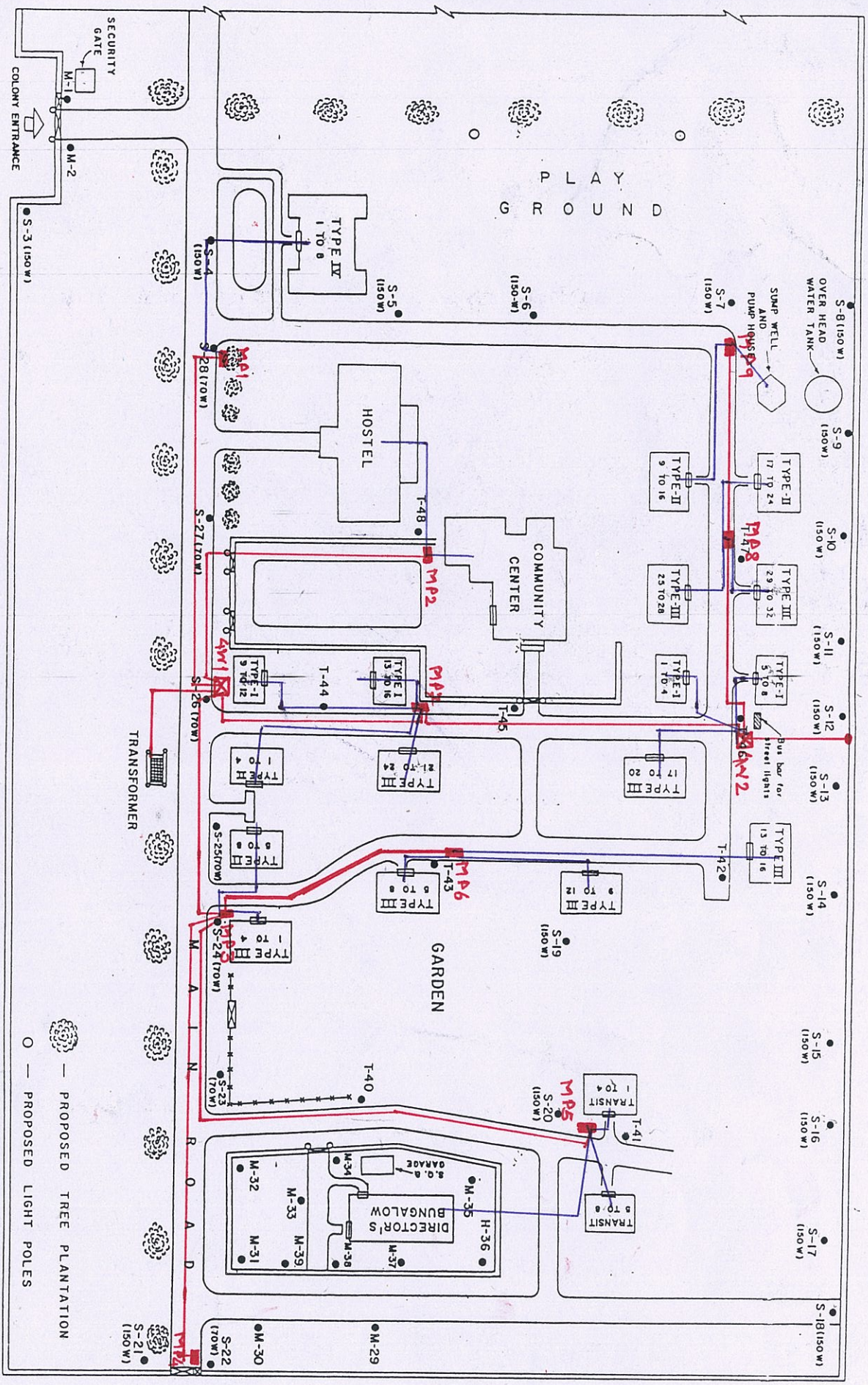
***Indian Institute of Tropical Meteorology (IITM), Dr. Homi Bhabha Road,
Pashan, Pune-411008, INDIA.***

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MP - Mini Pillars 4W = 4 way

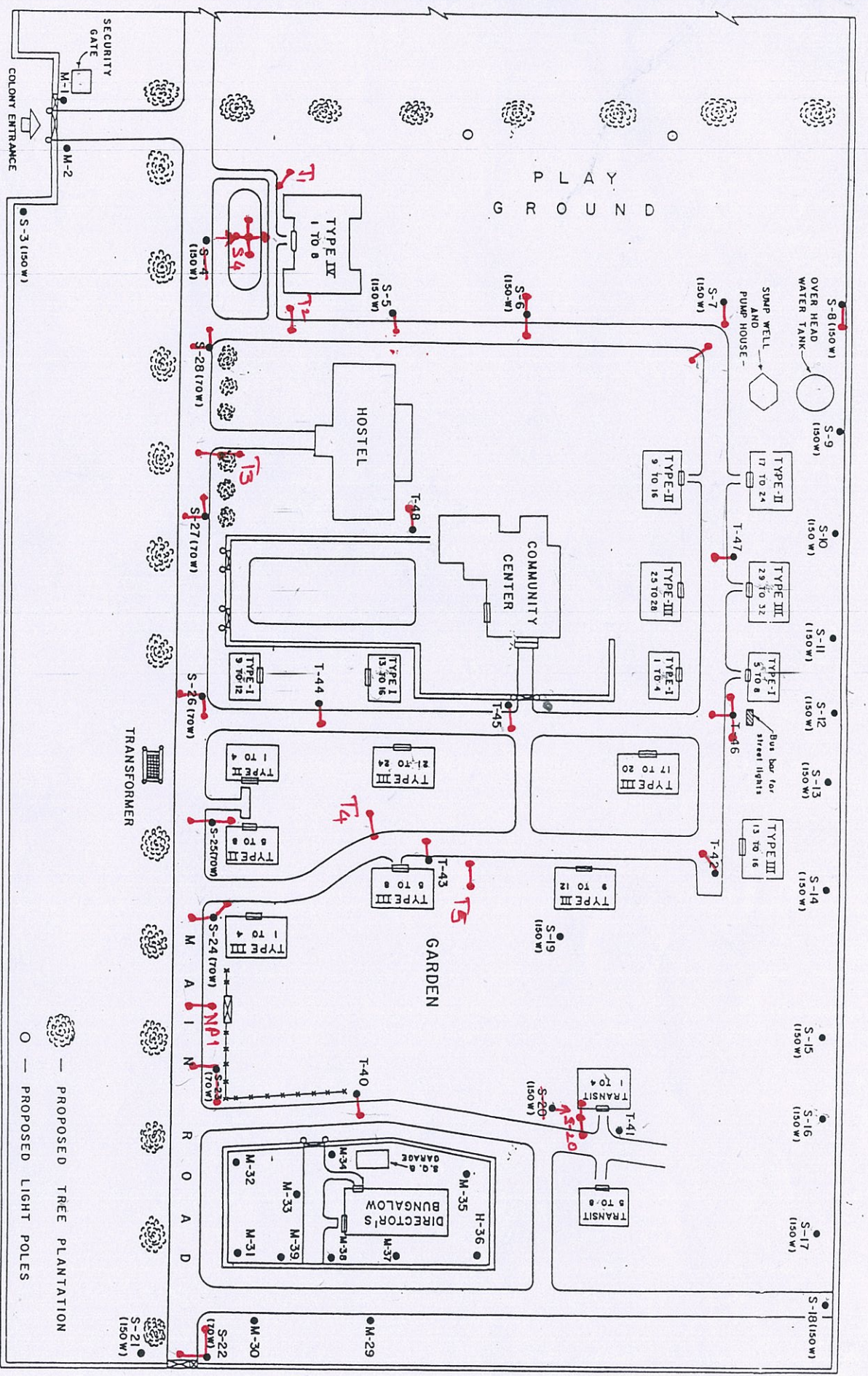


- S - SODIUM VAPOUR LAMP (150 W / 70W)
 - M - MERCURY LAMP
 - T - TUBE LIGHT
 - H - HALOGEN LAMP
- SCALE: NOT TO SCALE

Drawn by	Traced by	Approved by
<i>D. D. Deshpande</i>	<i>...</i>	<i>...</i>

A SKETCH SHOWING THE LOCATIONS OF STREET LIGHTS IN IITM COLONY CAMPUS

○ — PROPOSED TREE PLANTATION



- S-SODIUM VAPOUR LAMP (150 W / 70W)
- M-MERCURY LAMP
- T-TUBE LIGHT
- H-HALOGEN LAMP NOT TO SCALE

SCALE: NOT TO SCALE

○ — PROPOSED TREE PLANTATION
 ○ — PROPOSED LIGHT POLES

Drawn by	Traced by	Approved by
<i>D. D. Dhandapani</i>	<i>Chinnaiyan</i>	<i>[Signature]</i>

A SKETCH SHOWING THE LOCATIONS OF STREET LIGHTS IN IITM COLONY CAMPUS