

ELECTRICAL SURVEY REPORT
OF
AMAR SHAHEED HEMU KALANI YADGAR MANDAL MUMBAI.

CLIENTS: Amar Shaheed Hemu Kalani Yadgar Mandal, Mumbai.

JOB : Electrical Inspection / survey of the Amar Shaheed Hemu Kalani Mandal Mumbai

REFERENCE: Your work order no. OW/680 Dated 23rd MARCH 2020

ELECTRICAL CONSULTANTS

AARTI AND POOJA ELECTRICALS
BUILDING NO-47, ROOM NO-1433,
NEHRU NAGAR KURLA (EAST),
MUMBAI-400024.
MOBIL. : 9619810909

SANTOSH MAHARAJNARAYAN PANDEY
AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. S. 55909

Santosh Pandey

J. H. Wadhwa

Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889881

AARTI & POOJA ELECTRICALS
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Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. C. 34017

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AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
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M. S. 55909

Santosh Pandey

Fulli

Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889881

AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. C. 34017

Santosh Pandey

29/03/2020

PREAMBLE :

The managing committee of Amar Shaheed Hemu Kalani, Yadgar Mandal, Mumbai has contacted M/s Aarti and Pooja Electricals for the electrical audit / report for existing electrical installation work of the buildings Amar Shaheed Hemu Kalani Mandal, Chembur Mumbai - 400074

In response Mr. Santosh Pandey of M/s Aarti and Pooja Electricals submitted their offer EC/ OFFER/19-20/1679 dated 23/03/ 2020. Offer submitted by M/s Aarti and Pooja Electricals was accepted by Amar Shaheed Hemu Kalani Yadgar Mandal, Mumbai with minor modification & asked M/s Aarti and Pooja Electricals to carry out electrical survey report.

As per the requirement Engineers of M/s Aarti and Pooja Electricals visited the site in the month of March 2020 to see the existing Electrical Installation work & to find out the details of connected load in each flat along with condition of meters cabins.

It was also necessity of checking common area lighting, lift wiring, wiring condition in lift machine room and pump room cabling etc..

OBSERVATIONS :-

- 1) It was observed that maintenance is required for the meter cabins which were found very old and Installed in haphazard way.
- 2) The maintenance of Electric meter cabins include removing and replacing of old lead wires from exiting main switches, replacement of meter board and proper installation of electric meters in sequence..
- 3) It was observed that mains wiring from main switch in meter room to individual floor was done in PVC wires in MS conduit or by armored cable laid in haphazard way. It was observed that wiring / cabling was very old and needs replacement.
- 4) It was observed that common area lighting in lobby of some of the floors and parking area is not in good condition and requires plastering and dressing of electrical wires.
- 5) In pump room area supply cable coming from meter room was hanging and switch gears were found very old and earthing was not proper.
- 6) It was observed that on terrace, there were many hanging cable of TV/Telephone/Internet.
- 7) In outside parking area cables are hanging and not installed in a proper way.
- 8) It was observed that in all the meter rooms light is insufficient.

SANTOSH MAHARAJNARAYAN PANDEY
AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. S. 55909

Santosh Pandey

Fuller
Hon. Director

AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. C. 34017

Santosh Pandey

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889881

A STATUS REPORT

Meter Room

- 1) Meter No. - 7963109 - Digital NEW
- 2) Phase - Three
- 3) Sanctioned Load - 10.10 KW
- 4) Main Isolator - 63 Amp Switch Fuse Unit Triple Pole
- 5) Lead wire - To be replace
- 6) Main cable - Proper connection required

Remark:

- 1) Lead wire to be replace along with proper main connection.
- 2) Mains wiring in Cable / Conduit should be repositioned / replaced as per site requirement.

Meter Room

- 1) Meter No. - 7963111 Digital NEW
- 2) Phase - Three Phase
- 3) Sanctioned Load - 10.10 KW
- 4) Main Isolator - 63 Amp. Switch Fuse Unit Triple Pole
- 5) Lead wire - To be replace
- 6) Main cable - Proper connection required

Remark:

- 3) Lead wire to be replace along with proper main connection.
- 4) Mains wiring in Cable / Conduit should be repositioned / replaced as per site requirement.

Meter Room

- 1) Meter No. - 7963112 Digital new
- 2) Phase - Three phase
- 3) Sanctioned Load - 10.10 KW
- 4) Main Isolator - 32 amp 4 pole MCB
- 5) Lead wire - To be replace
- 6) Main cable - Proper connection required

Remark:

- 1) Lead wire to be replace along with proper main connection.
- 2) Mains wiring in Cable / Conduit should be repositioned / replaced as per site requirement.

SANTOSH MAHARAJNARAYAN PANDEY

AARTI & POOJA ELECTRICALS

Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.

M. S. 55909

Santosh Pandey

fulleli

Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY

KOTHARI COLLEGE OF MANAGEMENT STUDIES

Opp. Inlaks Hospital, Chembur Colony,

Mumbai - 400 074. Tel.: 8291889881

AARTI & POOJA ELECTRICALS

Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.

M. C. 34017

Santosh Pandey

Meter Room

- 1) Meter No. - 7963108 - DIGITAL NEW
- 2) Phase - Three Phase
- 3) Sanctioned Load - 3.73 KW
- 4) Main Isolator - 63 Amp Switch Fuse Unit (Big Size) 3 NOS
- 5) Lead wire - To be replace
- 6) Main cable - Proper connection required

In FLOOR

- 1) Main Incomer - 63 Amp Four Pole Isolator + ELCB Four Pole 63 Amp.

Remark:

- 1) Lead wire to be replace along with proper main connection.
- 2) Mains wiring in Cable / Conduit should be repositioned / replaced as per site requirement.

Meter Room

- 1) Meter No. - 793110 - Digital NEW
- 2) Phase - Three Phase
- 3) Sanctioned Load - 7.09 KW
- 4) Main Isolator - 63 Amp Switch Fuse Unit Triple Pole 2 nos.
- 5) Lead wire - To be replace
- 6) Main cable - Proper connection required

Remark:

- 1) Lead wire to be replace along with proper main connection.
- 2) Mains wiring in Cable / Conduit should be repositioned / replaced as per site requirement.

WATER PUMP: Four Pole MCB 63 Amp

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AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. S. 55909

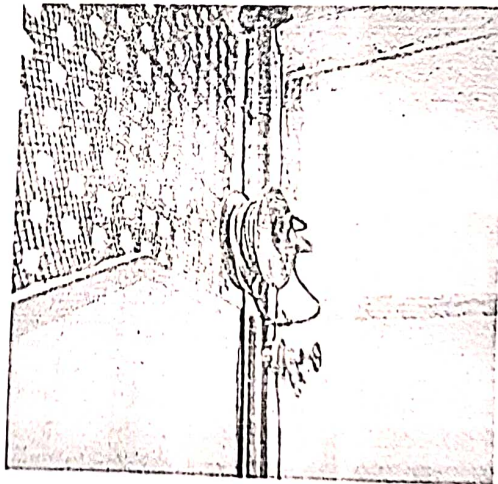
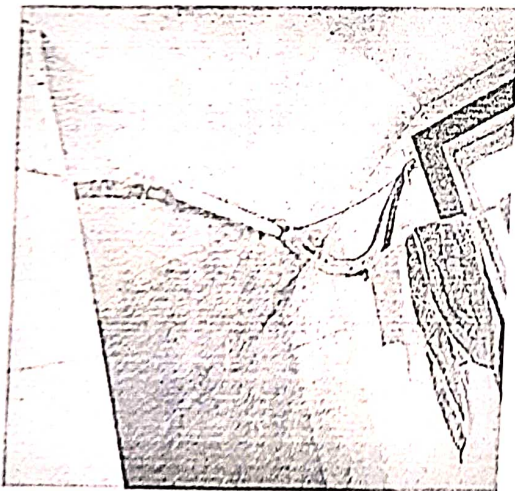
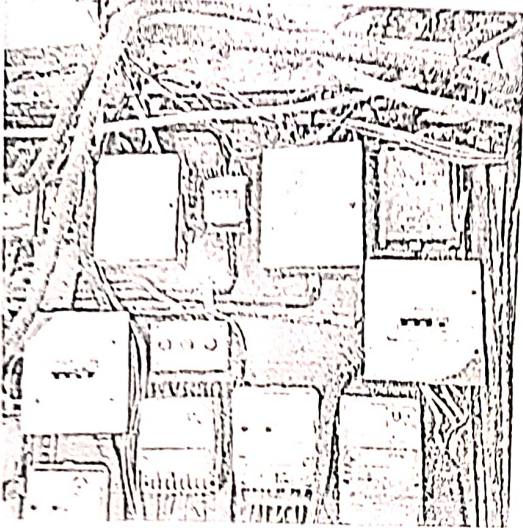
Santosh Pandey

AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
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M. C. 34017

Santosh Pandey

Sulehi
Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889881



SANTOSH MAHARAJNARAYAN PANDEY
AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. S. 55909

Santosh Pandey

Pandey
Hon. Director

Smt. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
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AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. C. 34017

Santosh Pandey

RECOMMENDATION :-

- 1) It was also observed that meter boards are in very bad shape which need replacement and same should be replaced through Adani Electricity.
- 2) All services main cut out should be checked and replace if required through Adani Electricity.
- 3) Old lead wires should be replace through new lead wire of required capacity through PVC flexible pipe along with flexible connection.
- 4) It was observed that many cables were hanging outside the meter room which should be removed. The cables which are for CCTV cameras should be properly arranged in cable trays.
- 5) It was observed that in some cases mains wiring from meter cabin to individual floor is in M.S conduit with PVC wire which are very old and need replacement.
- 6) In pump room cables should be properly fixed and dressed and un- utilised cable should be removed
- 7) Earthing of pumps / meter rooms / lifts should be checked and rectified if required.
- 8) Total work should be done in three parts as follows,
 - a). Plastering of meter room along with replacement of meter board and civil changes required to be done in meter room.
 - b). Armored cabling of required capacity should be done for mains wiring for all the floor and taken through separate path in floor lobby and existing M.S conduit wiring should discarded.
 - c). Cabling / wiring outside the building for car parking, pump room, should be checked and replaced with proper covering.

Santosh Pandey

FOR AARTI AND POOJA ELECTRICALS

SANTOSH PANDEY

SANTOSH MAHARAJNARAYAN PANDEY
AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. S. 55909

Santosh Pandey

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Building No. 47, Room No. 1433,
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M. C. 34017

Sule
Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY

KOTHARI COLLEGE OF MANAGEMENT STUDIES

Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889891

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CLIENTS: Amar Shaheed Hemu Kalani Yadgar Mandal, Mumbai.

JOB : Electrical Inspection / survey of the Amar Shaheed Hemu Kalani Mandal Mumbai

REFERENCE: Your work order no. AB/004 Dated 9th MARCH 2021

ELECTRICAL CONSULTANTS

AARTI AND POOJA ELECTRICALS
BUILDING NO-47, ROOM NO-1433,
NEHRU NAGAR KURLA (EAST),
MUMBAI-400024.
MOBIL. : 9619810909

SANTOSH MAHARAJNARAYAN PANDEY
AARTI & POOJA ELECTRICALS
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M. S. 55909

Santosh Pandey

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Building No. 47, Room No. 1433,
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M. C. 34017

Santosh Pandey

Fuller
Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889881

23/03/2021

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In response Mr. Santosh Pandey of M/s Aarti and Pooja Electricals submitted their offer EC/OFFER/20-21/9001 dated 9/03/2021. offer submitted by M/s Aarti and Pooja Electricals was accepted by Amar Shaheed Hemu Kalani Yadgar Mandal, Mumbai with minor modification & asked M/s Aarti and Pooja Electricals to carry out electrical survey report.

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It was also necessity of checking common area lighting, lift wiring, wiring condition in lift machine room and pump room cabling etc..

OBSERVATIONS :-

- 1) It was observed that maintenance is required for the meter cabins which were found some loose connections and hanging cables.
- 2) It was observed that mains wiring from main switch in meter room to individual floor was done neat and safe.
- 3) It was observed that common area lighting in lobby of some of the floors and parking area is not in good condition.
- 4) In pump room area supply cable coming from meter room was hangin.
- 5) It was observed that on terrace, there were many hanging cables of Internet.
- 6) It was observed that in all the meter rooms light is insufficient.
- 7) Replace normal bulbs and tubes with LED bulbs/Tubes.

SANTOSH MAHARAJNARAYAN PANDEY
AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024,
M. S. 55909

Santosh Pandey

Sulhi

Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
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M. S. 55909

Santosh Pandey

Fulli

Hon. Director

Sri T. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889881

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M. S. 55909

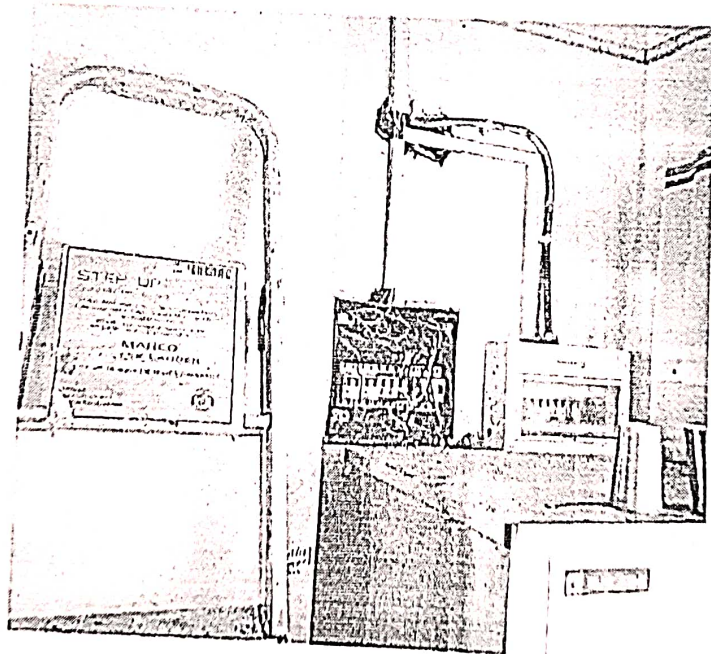
Santosh Pandey

AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. C. 34017

Santosh Pandey

Julia
Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889831



SANTOSH MAHARAJNARAYAN PANDEY
AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. S. 55909

Santosh Pandey

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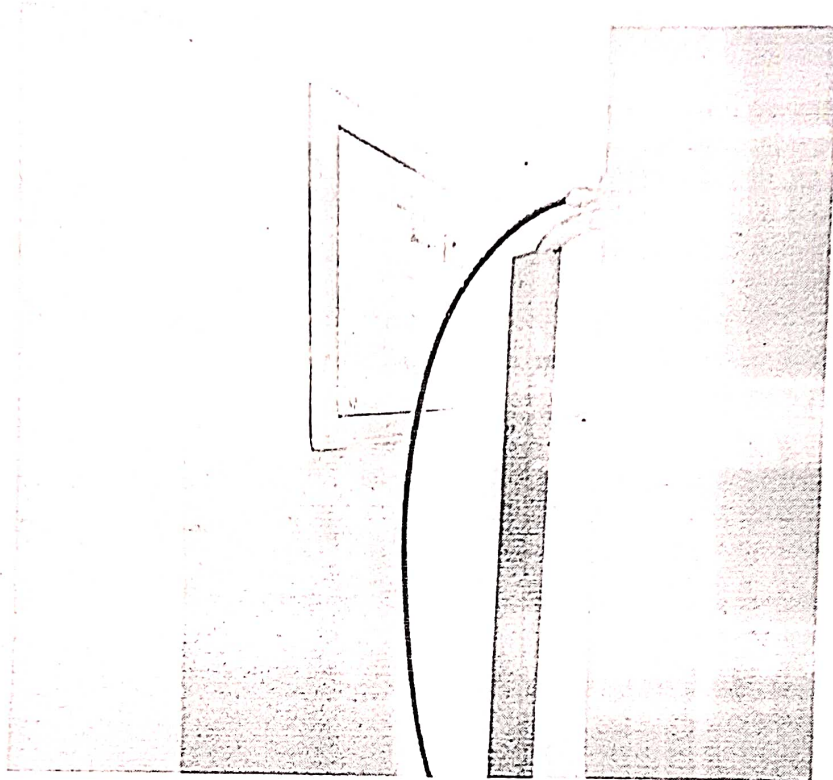
Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES

Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889881

AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. C. 34017

Santosh Pandey



SANTOSH MAHARAJNARAYAN PANDEY
AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. S. 55909

Santosh Pandey

Fulli
Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
KOTHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889861

AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. C. 34017

Santosh Pandey

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RECOMMENDATION :-

- 1) All services main cut out should be checked and replace if required through Adani Electricity.
- 2) Old lead wires should be replace through new lead wire of required capacity through PVC flexible pipe along with flexible connection.
- 3) In pump room cables should be properly fixed and dressed and un- utilised cable should be removed
- 4) MCB box cover to be fixed properly as they are open.
- 5) Earthing of pumps / meter rooms / lifts should be checked and rectified if required.
- 6) Class room wire junction open.

Santosh Pandey

FOR AARTI AND POOJA ELECTRICALS

SANTOSH PANDEY

MAHARAJNARAYAN PANDEY
AARTI & POOJA ELECTRICALS
Building No. 47, Room No. 1433,
Nehru Nagar, Kurla (E), Mumbai - 400 024.
M. S. 55909

Santosh Pandey

AARTI & POOJA ELECTRICALS
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M. C. 34017

Santosh Pandey

[Signature]

Hon. Director

SMT. J. H. WADHWA COLLEGE OF TECHNOLOGY
STHARI COLLEGE OF MANAGEMENT STUDIES
Opp. Inlaks Hospital, Chembur Colony,
Mumbai - 400 074. Tel.: 8291889881