



# VECTOR SOLUTIONS

## ISO 9001:2015 CERTIFIED

### CREDENTIALS

19/7A/3/4 संकरण 34  
FIT 5/M Issue No. 34

**राइट्स लिमिटेड**  
(प्राथमिक संरचनाएं का प्रदाता)  
जवाही खोरा, (नरियाम नगर)  
राज्य रोजगार बोर्ड-2, 12th फ्लोर  
जवाही नगर, लिटो-1 (100002)  
दिल्ली - 81-22029119  
फोन - 81-22024683

**निदेशित उपकरण-परीक्षण प्रमाणपत्र**

CIN NO. L74899DL1974GO1007227  
GSTIN No. 07AAACR0830Q1Z8

पहली प्रतः : कंत्राटकार, दिल्ली में भेजें  
First Copy : Contractor for Consignment

**RITES LIMITED**  
(Schedule 47 Enterprise of Govt. of India)  
**NORTHERN REGION (Inspection Wing)**  
SCOPE MNGR Cons-4, 12th Floor  
Laxmi Nagar, Delhi-110002  
Phone : 81-22029119  
Fax : 81-22024683 E-mail : ritesrpa@rites.com

<b>सूच सं./Book No.</b>	<b>परी सं./Ser No.</b>
3602	032

सूच सं. Book No.	परी सं. Ser No.
3602	032

<p><b>नियंत्रित 120 75</b> Certificate No. : <b>N/WWW/REG/1202/196</b></p>	<p><b>दिनांक</b> : <b>20/06/2019</b></p>
<p><b>निरीक्षण का स्थान</b> : <b>Container &amp; Containerization Sheets</b></p>	
<p><b>निरीक्षण करने वाले</b> : <b>रिजिस्ट्रार</b> No. <b>1</b></p>	<p><b>निरीक्षण करने वाली संस्था</b> : <b>रिजिस्ट्रार</b> No. <b>1</b></p>

<p><b>कंत्राटकार</b> : <b>VECTOR SOLUTIONS PVT. LTD, 12th FLOOR, 13th FLOOR, KANSAPURAM, SARAIKI, APARTMENT, CHANDI, YOKESHAHARIBAZAR, CHENNAI</b></p>	<p><b>निरीक्षण का स्थान</b> : <b>W-1003 ELECTRONICS MOUNTAIN CITY INDUSTRIES LTD, 13th FLOOR, SAHAYAN, SOUTH WESTERN INDUSTRIAL ESTATE</b></p>
<p><b>संवादात्मक संदर्भ</b> : <b>PG No. 4116881108889</b></p> <p><b>दिनांक</b> : <b>06/07/2018</b></p>	<p><b>भुगतान करने वाली अधिकारी</b> : <b>DR. ANJALINI, SOUTH WESTERN INDUSTRIAL ESTATE</b></p>
<p><b>कंत्राटकार का पता</b> : <b>13/76/3/18</b></p> <p><b>दिनांक</b> : <b>18/06/2019</b></p>	<p><b>निरीक्षण करने वाली अधिकारी का पता</b> : <b>DR. ANJALINI/SAHAYAN</b></p>

क्र. सं.	संकेत	विवरण	कंत्राटकार का संकेत	निरीक्षण करने वाली अधिकारी का संकेत	परीक्षण फीस	निरीक्षण करने वाली अधिकारी का संकेत	निरीक्षण करने वाली अधिकारी का संकेत	निरीक्षण करने वाली अधिकारी का संकेत
1	2	3	4	5	6	7	8	9
1		CORPORATE INSTALLATION TESTING & COMMISSIONING OF 400V/6.3KV/11KV/33KV FACTOR PANEL OF SUBSTATION I/2/UNDER ALPBY TECHNICAL SPECIFICATIONS ACCEPTED UNDER JICA						
QUANTITY FROM PROFORMA SHOULD ALWAYS BEGIVEN IN NO. OF 1000000000 PARTS AS PER PROFORMA LIST								

<p><b>कंत्राटकार की जांच</b> : <b>ONE</b></p>	<p><b>संवादात्मक संदर्भ</b> : <b>4116881108889</b></p>	<p><b>कंत्राटकार की जांच</b> : <b>ONE</b></p>	<p><b>निरीक्षण करने वाली अधिकारी का संकेत</b> : <b>18/06/2019</b></p>
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<p><b>परीक्षण करने वाली अधिकारी का पता</b> : <b>W-1003 ELECTRONICS MOUNTAIN CITY INDUSTRIES LTD, 13th FLOOR, SAHAYAN, SOUTH WESTERN INDUSTRIAL ESTATE</b></p>	<p><b>निरीक्षण करने वाली अधिकारी का पता</b> : <b>DR. ANJALINI/SAHAYAN</b></p>	<p><b>निरीक्षण करने वाली अधिकारी का पता</b> : <b>DR. ANJALINI/SAHAYAN</b></p>
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<p><b>कंत्राटकार का पता</b> : <b>13/76/3/18</b></p>	<p><b>निरीक्षण करने वाली अधिकारी का पता</b> : <b>DR. ANJALINI/SAHAYAN</b></p>	<p><b>निरीक्षण करने वाली अधिकारी का पता</b> : <b>DR. ANJALINI/SAHAYAN</b></p>
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Digitally signed by **Vinay Kumar Bhamha**

Date: 2019.06.20 12:54:45 +05'30'

Validity unknown

Digitally signed by **Vinay Kumar Bhamha**

Date: 2019.06.20 12:48:13 +05'30'

1) The material should be dispatched as early as possible. The certificate is valid for a period of 30 days for dispatch of stores.

2) The material should be dispatched as early as possible. The certificate is valid for a period of 30 days for dispatch of stores.


Registered Office: Gate-5, 12th Floor, Tower Block, Laxmi Nagar, Delhi.



# VECTOR SOLUTIONS

ISO 9001:2015 CERTIFIED

## CREDENTIALS



दक्षिण पश्चिम रेल्वे  
South Western Railway

No.EMS/05

Office of the  
SSE/EMS/UBLS  
Date: 31-07-2018

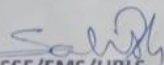
**JOINT REPORT**

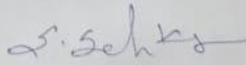
Sub: - Installation testing and commissioning of SVC panel at Sub- Station 'C'/UBLS  
by M/s.Vector Solutions Chennai.

Ref: - PO.No: 47185001100005, dated: 01.01.2019.

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With reference to the above subject, the firm representative Shri.Venkatesh and shri.Selvakumar had arrived on 23.07.2019 to carry the Installation testing and commissioning of SVC panel at Sub- Station 'C'/UBLS and completed on 29.07.2019 and given for working. The SVC panel tested and found working satisfactorily as on today.

  
SSE/EMS/UBLS  
प.स.स.प.स./स.स.स.प.स.  
SSE/EMS/UBLS

  
Firm Representative  
Shri. Selva Kumar  
(Vector Solutions Chennai)

C-DEE/UBLS for your kind information pl.

0116132

SOUTH WESTERN RAILWAY



# VECTOR SOLUTIONS

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## CREDENTIALS

Minutes of Meeting held between POWERGRID and M/S. Vector Solutions  
on 30.05.2018 in 400/230kV Madurai Substation.


MEMBERS PRESENT

POWER GRID,  
Mr.A.Habibullah , CM  
Mr.S.Subramanyam, Manager  
Mr. S.Parthasarathy , J.E

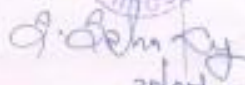
VECTOR SOLUTIONS,  
Mr.Selvakumar

1. Vector Solutions Team visited the PGCIL, MADURAI, SITE on 30.5.2018.
2. The 2 no's of 50Amps Active Harmonic Filter Panel Bearing sr.no.
  - APF 1D217C00010WF & LCM 1AE17B00068WC
  - APF 1D217C00011WF & LCM 1AE17B00070WC were installed and commissioned in the respective location and the Power Factor Panel 75kvar also installed and commissioned in the respective location.
3. Entire commissioning was completed on 30.05.2018. Subsequently the Power Quality Audit had been carried out and found the system is working satisfactorily.
4. As per Audit report (enclosed), the Harmonic level for both Voltage and current are within the prescribed limit as recommended by IEEE519.Observed the Actual percentage of THDU 0.6% and THDI 1.8%.
5. Demo given and the entire system is handed over to POWER GRID CORPORATION OF INDIA LIMITED, MADURAI Plant.
6. Now Vector Solution requested to process the further procedures for releasing the payment.
7. DRY Contacts (48V/24mA) 2 No's available for Annunciation and alarm purpose. Manufacture has to provide 3 No's Dry contacts suitable for 220V DC, 2A rating.

For POWERGRID

  
सरिवास सुब्रमण्यम / SRINIWAS SUBRAMANYAM  
उपनिर्देशक / Manager  
पावर ग्रीड कॉर्पोरेशन ऑफ इंडिया लिमिटेड  
POWER GRID CORPORATION OF INDIA LIMITED  
मद्रास / Madurai

FOR VECTOR SOLUTIONS

  
30/05/18





# VECTOR SOLUTIONS

ISO 9001:2015 CERTIFIED

## CREDENTIALS

### Minutes of Meeting held between POWERGRID and M/s.Vector Solutions on 26.09.2018

#### MEMBERS PRESENT

POWER GRID, Tuticorin.  
Smt.G. Rajeswari  
Deputy Manager

VECTOR SOLUTIONS  
Shri. S.Selvakumar  
Technical Engineer

1. Vide LOA No.SRTS-II/C&M/WC-1936/LOA-1845/18/889 dt.27.06.18, M/s.Vector Solution has supplied the items listed in packing list on 06.09.18(copy enclosed)
2. M/s.Vector Solution visited site on 11.09.18 & 12.09.18 for installation of Power Factor panel & AHF Panel.
3. M/s.Vector Solutions Team visited Tuticorin PS site on 26.09.2018 for commissioning the above said panels.
4. Entire commissioning was completed on 26.09.2018. Subsequently the Power Quality Audit had been carried out and found in order. The system is working satisfactorily.
5. As per power quality audit report, the Harmonic level for both Voltage and current are within the prescribed limit
6. The entire system is handed over to Tuticorin pooling station.
7. Now Vector Solution requested to process the further procedures for releasing the payment, for supply and installation & commissioning Active Harmonic Filter of Power Grid India Limited, Tuticorin Plant.
8. Power Quality Report yet to be submitted by the agency.

For VECTOR SOLUTIONS

*S. Selvakumar*



For POWERGRID

*G. Rajeswari*  
26/9/18

श्री. राजेश्वरी / G. RAJESWARI  
अप प्रबंधक / DY. MANAGER  
पावरग्रिड / POWERGRID  
तुतिकोरि पूलिंग स्टेशन  
TUTICORIN POOLING STATION



# VECTOR SOLUTIONS

ISO 9001:2015 CERTIFIED

## CREDENTIALS

Minutes of Meeting held between POWERGRID and M/S. vector solutions on 09.3.2018 at NAGAPATINAM.

### MEMBERS PRESENT

POWERGRID

Mr. G Krishna Raj, Engr

Mr. T Ariraman, JE

VECTOR SOLUTIONS

MR.SELVAKUMAR – Service Engineer

1. Vector Solutions Team visited the PGCIL, NAGAPATTINAM, and Site on 07.3.2018.
2. The 50 Amp Active Harmonic Filter Panel with active filter Sr.no. ID217C00012WF, HMI sr. no. IAE17B00067WC installed and commissioned in the respective location and the 30 Kvar Power Factor Panel Also installed and commissioned in the respective location.
3. Entire commissioning was completed on 9.3.2018. Subsequently the Power Quality Audit had been carried out and found the system is working satisfactorily. Report will be submitted within a week.
4. As per Audit report, the Harmonic level for both Voltage and current are within the prescribed limit as per IEC 61000-4-30 & IEEE 519.
5. The entire system is handed over to PGCIL, Nagapattinam plant.
6. The entire panel was received on 02.03.2018 against delivery completion date 14.01.2018.
7. Regarding 2 nos. Dry contact and 1 wet contact in active filter, will be revert back by M/s-Vector Solution. *Cable to be extended 411 TB from HMI*
8. Now Vector Solution requested to process the further procedure for releasing the payment.

For POWERGRID- NAGAPATINAM

FOR VECTOR SOLUTIONS

*09-03-2018*  
जी कृष्ण राज / G KRISHNA RAJ  
अभियंता / ENGINEER  
शक्तिग्रिड / POWERGRID  
नगपट्टिनम / NAGAPATTINAM





# VECTOR SOLUTIONS

ISO 9001:2015 CERTIFIED

## CREDENTIALS

Zoom in (Ctrl+Plus)



### VECTOR SOLUTIONS (ISO 9001 : 2008 Certified)

No. 1, 1st Floor, 12th Street, K.K. Road, Venkatapuram, Ambattur, Chennai - 600 053.  
Godown : G.F. No. 2-A, Tulasi Street, Venkatapuram, Ambattur, Chennai - 600 053.  
Mobile No. 96772 56822, Phone : 044 4210 5868, E-mail : vectorsolutions13@gmail.com  
GSTIN : 33AAK1V9924E12X - TIN No. 33B01370255 - CST No. 1303913 / Dt. : 24-10-2013

#### Minutes of Meeting held between POWERGRID, KARUR and M/S. Vector Solutions on 23.05.2018

##### MEMBERS PRESENT

POWER GRID, KARUR SS  
Mr.P.RAVICHAND  
Mr.RAMJEE KUMAR VERMA

VECTOR SOLUTIONS  
MR.V.VENKATESAN

1. Vector Solutions Team visited the PGCIL, KARUR, SITE ON 18.5.2018.
2. The 2nos of 50Amps Active Harmonic Filter Panel Bearing sr.no.
  - APF 1D217C00008WF & LCM 1AE18300022WD
  - APF 1D217C00009WF & LCM 1AE17B00066WC were installed and commissioned in the respective location and the Power Factor Panel 50KVAR also installed and commissioned in the respective location.
3. Entire commissioning was completed on 23.05.2018. Subsequently the Power Quality Audit had been carried out and found the system is working satisfactorily.
4. As per Audit report(enclosed), the Harmonic level for both Voltage and current are within the prescribed limit as recommended by TNEB Norm.
5. Demo given and the entire system is handed over to PGCIL, KarurPlant.
6. Now Vector Solution requested to process the further procedures for releasing the payment.

For POWERGRID- KARUR

*Mr. P. Ravi Chand*  
23/05/2018  
Mr.P.RAVI CHAND

*Mr. Ramjee Kumar Verma*  
23/05/2018  
Mr.RAMJEE KUMAR VERMA

FOR VECTOR SOLUTIONS

*V. Venkatesan*  
23/05/18  
V.VENKATESAN







# VECTOR SOLUTIONS

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## CREDENTIALS

Minutes of Meeting held between POWERGRID and M/S. Vector Solutions on 10.09.2018 in Arasur.

### MEMBERS PRESENT

POWER GRID, ARASUR

Mr. S. Anil Murthy CH/ARASUR

Mr. S. Saravanan Eng/ARASUR

Mr. Abhilash A A JE/ARASUR

VECTOR SOLUTIONS

MR.V.MADHAN KUMAR

1. Vector Solutions Team visited the PGCIL, ARASUR, SITE ON 10.9.2018.
2. The 1 No of 50Amps Active Harmonic Filter Panel Bearing Sr.no.   
 • IE110500001 WL / LCM - GCM1P3000<sup>sqwc</sup> were installed and commissioned in the respective location and the Power Factor Panel ~~sq kw~~ also installed and commissioned in the respective locations.
3. Entire commissioning was completed on 10.09.2018. Subsequently the Power Quality Audit had been carried out and found the system is working satisfactorily.
4. As per Audit report (enclosed), the Harmonic level for both Voltage and current are within the prescribed limit as recommended by TNEB Norms.
5. Demo given and the entire system is handed over to PGCIL, Arasur Plant.
6. Now Vector Solutions requested to process the further procedures for releasing the payment.

For POWERGRID-ARASUR



*Abhilash A A  
10/9/18  
JE/Arasur.*

FOR VECTOR SOLUTIONS






# VECTOR SOLUTIONS

ISO 9001:2015 CERTIFIED

## CREDENTIALS

 **VECTOR SOLUTIONS**  
(ISO 9001 : 2008 Certified)  
No. 1, 1st Floor, 12th Street, K.K. Road, Venkatapuram, Ambattur, Chennai - 600 053.  
Address: G.F., No. 2-A, Tulasi Street, Venkatapuram, Ambattur, Chennai - 600 053.  
Mobile No. 96772 58822, Phone - 044 4210 5888, E-mail: vectorolutions12@gmail.com  
GSTIN : 33AAKF9924E12X - TIN No. 33601370255 - CST No. 1303013 | Dt. : 24-10-2013

Minutes of Meeting held between POWERGRID and M/S. vector solutions on 11.9.2018 at Power Grid Corporation of India Limited, Dharmapuri Plant

MEMBERS PRESENT

POWER GRID, Dharmapuri MR. ANIL V	VECTOR SOLUTIONS MR. R.C. SAIRAM SURESH
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1. Vector Solutions Team visited the PGCIL, at Dharmapuri, SITE ON 11.9.18
2. The Active Harmonic Filter Panel installed and commissioned in the respective location and the Power Factor Panel Also installed and commissioned in the respective location.
3. Entire commissioning was completed on 11.9.18. Subsequently the Power Quality Audit had been carried out and found the system is working satisfactorily.
4. As per Audit report, the Harmonic level for both Voltage and current are within the prescribed limit as recommended by TNEB Norm.
5. The entire system is handed over to PGCIL, Dharmapuri
6. Now Vector Solution requested to process the further procedures for releasing the payment, for supply and installation & commissioning of Power Grid India Limited, Dharmapuri Plant.

For POWERGRID- DHARMAPURI

FOR VECTOR SOLUTIONS

ANIL V

R.C. SAIRAM SURESH

  
ANIL VADEPALLY  
Sr. Engineer  
POWERGRID  
Dharmapuri





# VECTOR SOLUTIONS

ISO 9001:2015 CERTIFIED

## CREDENTIALS



### VECTOR SOLUTIONS (ISO 9001 : 2008 Certified)

No. 1, 1st Floor, 12th Street, K.K. Road, Veerapattanam, Ambattur, Chennai - 600 053.  
Godown - G.F. No. 2-A, Tulsi Street, Vankatapuram, Ambattur, Chennai - 600 053.  
Mobile No. 98777 58822, Phone : 844 4210 5000, Email : vectorsolutions12@gmail.com  
GSTIN : 33AAKF95024E12X - TIN No. 33001370255 - CST No. 1300912 / Dt. : 24-10-2013

Minutes of Meeting held between POWERGRID and M/S. vector solutions  
on 25.09.2018 at Power Grid Corporation of India Limited, karaikudi Plant

#### MEMBERS PRESENT

POWER GRID, Karaikudi  
Mr. Rajasekhar  
Deputy Manager

VECTOR SOLUTIONS  
Mr. S.Selvakumar

1. Vector Solutions Team visited the PGCIL, at karaikudi, SITE ON 25.09.2018
2. The Active Harmonic Filter Panel installed and commissioned in the respective location and the Power Factor Panel Also installed and commissioned in the respective location.
3. Entire commissioning was completed on 25.09.2018. Subsequently the Power Quality Audit had been carried out and found the system is working satisfactorily.
4. As per power quality audit report, the Harmonic level for both Voltage and current are within the prescribed limit
5. The entire system is handed over to PGCIL, karaikudi.
6. Now Vector Solution requested to process the further procedures for releasing the payment, for supply and installation & commissioning Active Harmonic Filter of Power Grid India Limited, karaikudi Plant.

For POWERGRID- Karaikudi

  
25/09/18  
पल्ली विजय राजा शेखर  
उप प्रबंधक, पावर गिड  
400/230 के.वी. उप बेसुद, कारािकुडी  
Palli Vijay Raja Sekhar  
Deputy Manager, POWERGRID  
400/230 kV Substation, Karaikudi - 2

For VECTOR SOLUTIONS




# VECTOR SOLUTIONS

ISO 9001:2015 CERTIFIED

## CREDENTIALS

Minutes of Meeting held between POWERGRID and M/S. vector solutions on 21.2.2018 in Chennai.

### MEMBERS PRESENT

POWER GRID  
REMYA.K. SR,ENGR.

VECTOR SOLUTIONS  
SENGARAJ.T – ASST MANAGER - MKTG

1. With reference to the PO No.SR-II/C&M/IU-1465/PO-1461/17/1824, dated 15.11.2017 in respect of supply and installation of AC Harmonic Filters for LT system at Nagapattinam PS, Smt.Remya.K., Sr.Engineer, Sriperumpudur Substation visited the office of M/s. Vector Solutions on 21.02.2018.
2. Physical dimensions check and verification of Bill of Material was done. All the items listed in BOQ were checked and found to be in order.
3. The Power Quality Test will be carried out by M/s.Vector Solutions after commissioning of the AHF at Nagapattinam PS and the reports will be submitted to Regional AM Department.
4. Sr.Engineer, Sriperumpudur, left the site on 21.02.2018.

For POWERGRID

REMYA.K.  
SR.ENGINEER

*Remya*  
21/2/18

REMYA.K. / K. REMYA  
SR. ENGINEER  
POWERGRID / POWERGRID  
SRIPERUMPUDUR / SRIPERUMPUDUR

FOR VECTOR SOLUTIONS

*Sengaraj.T*  
21/2/18

SENGARAJ.T  
ASST.MANAGER - MARKETING





# VECTOR SOLUTIONS

## ISO 9001:2015 CERTIFIED

### CREDENTIALS



पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड  
(पावर ग्रीड कॉर्पोरेशन ऑफ इंडिया)



**POWER GRID CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)

बहिष्कृत क्षेत्र परिषद प्रणाली - II क्षेत्रीय मुख्यालय, अर.टी.ओ. जूदयिन केस्ट्रिक के पास  
सिद्दनायकनहल्ली, बेलहोका होबली, बेंगलूरु - 560 064, बुरभाण : 080-23093700  
Southern Region Transmission System - II FHQ, Near RTO Driving Test Track, Singarayakanehalli  
Yalahanka Hotel, Bangalore - 560 064. Phone : 080-23093700

#### CONTRACTS AND MATERIALS DEPARTMENT

Ref No: SRTS-II/C&M/WC-1936/LOA-1845/18/289

Date: 27.06.2018

#### LETTER OF AWARD

M/s Vector Solutions,  
No. 1, 12th Street, KK Road,  
Ambattur Venkatapuram, Chennai - 600053  
Ph.: 9677256822, e\_mail: sairamuresh@vectorsolutionsindia.com

Dear Sir,

**Sub:** Letter of award for the work of Design, Supply, Installation & AMC of 415V AC Active Harmonic Filter for LT Auxiliary system for Ansur, Dharmapuri, Tuticorin, Hosur, Trichy, Karikudi & Kalivanthapattu Substations under SRTS-II.

1.0 This has reference to the following:

- 1.1 Our Enquiry ref: SRTS-II/C&M/WC-1936/LTE/18/057 dated 06.04.2018.
- 1.2 Your offer for the subject package opened on 26.04.2018.
- 1.3 Our LOI ref: SRTS-II/C&M/WC-1936/LOI/825 dated 19.06.2018
- 1.4 Our SAP PO ref: 3100015937

2.0 **SCOPE OF THE PACKAGE:** Scope of work shall include (Supply +Installation +AMC): Design, Supply, Installation, Commissioning of AC Harmonic Filters (AHP) for existing auxiliary supply systems at 3Ph 415V level and Demonstration of performance of AHP within acceptable limit to the satisfaction of POWERGRID & TANGEDCO at 400KV Dharmapuri, Ansur, Tuticorin, Hosur, Trichy, Karikodi & Kalivanthapattu Substations including AMC for 03 years after Warranty period. However the detailed scope of package is as indicated at clause 2.0 of Special conditions of contract.

3.0 **CONTRACT PRICE**

- 3.1 The total contract price for the entire scope of work as briefly defined in para 2.0 above shall be Rs.24,59,572/- (Rupees Twenty four lakhs Fifty nine thousand Five hundred Seventy Two only) which is including Supply, F&I, Installation, AMC charges & GST
- 3.2 The unit rates of work shall be FIRM.

स्वहित एवं राष्ट्रहित में ऊर्जा बचाएँ Save Energy for the Benefit of Self and Nation

Page 1 of 4