



JAIPUR VIDYUT VITRAN NIGAM LIMITED
Office of Superintending Engineer (M&P)
Near 132 KV Chambal GSS, Hawa Sadak Jaipur-302018.
PH-0141-2296651 Fax No- 0141-2290395
semeters@yahoo.in

SECTION-III(Part-C)
 TECHNICAL SPECIFICATION

1. INTRODUCTION:

This section describes the objective and scope of work, which the Agency is to develop, operate and maintain the proposed efficient Management System for testing and sealing of consumer meters at site in JAIPUR DISCOM.

This tender includes consumer wise data collection and analysis for monitoring of status and performance of the meters installed at consumers premises in the area under consideration.

2. OBJECTIVES AND SCOPE OF WORK:

The objective is to develop consumer -Discom relationship by introducing an effective system for testing and sealing **of domestic consumer meters at site** in JAIPUR DISCOM **excluding meters installed in the M&P box fitted with transformer** including on demand testing as desired by JVVNL / Consumer on priority within three days of following categories:-

- a) Domestic Service (DS)
- b) Non-Domestic Service (NDS) below 18.65 KW
- c) Small Industrial Service (SIP) below 15 HP
- d) Bulk Supply Mixed Load (ML) below 18.65 KW
- e) Nursery/Poultry.
- f) Waterworks
- g) Public Street Light

Verification/validation and updating of consumer database & maintenance of database regularly which includes data collection regarding consumer details, meter details, installation status of service line and meter including meter's seals and other relevant data, Verification of correctness of wiring connection, testing the accuracy of meters.

Generation of test results including electrical parameters at site and preparation of output reports to enable supervision and monitoring of status and performance of the meters installed at consumers premises as per Clause 6 of this part. Consumer database shall be digitized into an electronic file. The file shall have the facility for editing and updating for future expansions and modifications.

3. SCOPE OF AGENCY:

- A. Testing/checking and sealing of Single Phase and Three Phase Electro-Mechanical and Electronic Meters, installed at consumers premises of Domestic Service (DS) **excluding meters installed in the M&P box fitted with transformer** including on demand testing as desired by JVVNL of the following Consumers, Domestic service(DS), Non-Domestic Service(NDS) below 18.65 KW, Small Industrial Service (SIP) below 15 HP, Bulk Supply Mixed Load(ML) below 18.65KW, Nursery, Poultry, PSL etc.
- The above work under contract is to be carried out during contract period of one year to be started from the specified commencement of work in the circle. Above work shall be evenly distributed by the respective circle Superintending Engineer (O&M) for each month as given below:
The testing of consumer meters at site will be to the following cases:-
- i. Cases of extreme low or high consumption or variation in consumption.
 - ii. The cases for which any secret information has been reported.
 - iii. On report of JEN or meter reader i.e. A-30 Report.
 - iv. On consumer demand.
 - v. Regular testing of such meters, which have completed installation age of 5 yrs.
 - vi. Any other consumer as per direction of field officers
- B. The agency shall collect detail of the consumers to be tested in that month from concerned subdivision before seven days of start of that month.
- C. Verification/validation and updating of consumer database & maintenance of database regularly which includes data collection regarding consumer details, meter details, installation status of service line and meter including meter's seals and other relevant data, Verification of correctness of wiring connection, testing the accuracy of meters.
- D. Generation of test results including electrical parameters at site and preparation of output reports to enable supervision and monitoring of status and performance of the meters installed at consumers premises as per various Clauses of this part.
- E. The vendor shall have a control office at each circle head quarter and one corporate office at JAIPUR. All these office shall have an exclusive land line telephone to attend the JVVNL calls for intimating the name & address of consumers who asks to check their meter on request. These offices will remain open during all working hours. The vendor shall intimate the telephone number to JVVNL to communicate all information.
- F. The meter is to be tested at consumers running load, consumers maximum load and with minimum 1KW heater load. The performance of meter will be recorded at these different loads. The copy of meter testing reports to be furnished to concerned AEN(O&M) will be authenticated by printed test results obtained from meter testing equipments.
- G. The inspection report to be filled-in at consumer premises shall have printed book no. & serial no. with logo of JVVNL & the agency. For the duplicate copy double sided carbon will be used by the agency.
- H. Furnish provisional assessment in consultation with field officers for the cases in which any abnormalities are observed as per prevailing rules of Nigam.

- I. The agency will update the daily progress of testing on JVVNL's site in the prescribed format.

Above are some of the basic features. For more details, the prospective bidders may contact to The Superintending Engineer (O&M) of the area.

3.1 VALIDATION AND UPDATION OF CONSUMER DATABASE:

The agency shall collect sub-division wise and category wise details of the consumer's meters from the respective circle Superintending Engineer (O&M).

I. CONSUMER DATABASE:

Consumer database shall be verified/validated and updated by the agency based on the outcome of door-to-door survey during testing of the meter at site and the consumers' related records available with the office of the concerned Assistant Engineer (O&M) JVVNL. Following data shall be collected in respect of each consumer to verify/validate and update Consumer database.

- a) Name of Consumer
- b) Address,
- c) Account No.
- d) Category
- e) Type of supply (single/three phase)
- f) Type of service line - Overhead/ Underground
- g) Name of Circle, Name of Division, Name of Sub-division,
- h) Feeder Code
- i) Feeder Name
- j) Computation of Proposed Assessment, if any

II. METER DETAILS:

- a) Meter serial number
- b) Make of meter
- c) TN
- d) Meter constant
- e) Type (electronic/ electro-mechanical and Single Phase / Three Phase)

During testing the following parameters shall be checked and reported in the inspection report:

A. Status of Service Lines:

- i. Armoured / Un Armoured cable.
- ii. Over Head / Under Ground
- iii. Physical Status of cables and any joints / Cuts in Service Lines.
- iv. Whether Cable is directly terminating to main side of meter
- v. Whether any switch or cut out is provided before entry to main side of meter box

B. Status of Meter Box:

- i. Whether meter is easily readable.
- ii. Whether Meter box is provided or not.
- iii. If provided: physical Condition of Box.
- iv. Seals provided or not.
- v. Details of seals on meter box.
- vi. Whether Seals provided are intact or tampered / broken / damaged.
- vii. Whether Meter Box (With Meter) installed inside room or out side (so that meter can be read even in absence of consumer)

C. Low consumption: Cases of low consumption or reported to be indulged in tampering. May collect and submit one-year monthly consumption data.

D. Status of Meter

- i. Meter body seals Terminal cover seals / stickers provided or not. If provided intact or not.
- ii. Whether meter is broken / damaged / burnt.
- iii. Status of Electro Mechanical counter / LCD display: Whether operational / functioning or not on different loads.

E . In order to minimize human errors in capturing above data from site, the agency shall use HHUs for capturing the data (if possible). The HHU shall have provision to enable the survey team to select predefined attributes in the HHU for majority of the parameters defined above. This would enable accuracy and quality of data captured.

F. **Design and approve the standard format for capturing the readings through HHT, installation audit, testing and sealing data with respect to each consumer. Here in after the standard format shall be referred to as “Test Report”. The agency is required to prepare three copies of “Test Report” as per Annexure-A duly signed by team in charge and will get the signature of the consumer or its representative and then deliver one copy to the consumer at site, second copy to the concerned Assistant Engineer (O&M) within 2 days for his record & third copy for agency’s record. The concerned AEN(O&M) will initiate action, if required. The self generated test report (without any manual interference) should be made available to the Nigam.**

3.2 METER TESTING AT SITE:

To carry out testing/checking and sealing of Meters at site, installed at consumers premises and down loading of all other data i.e. Consumer identification (Consumer Account Number), Serial Number and Meter constant of Meter Under Test and Number of revolutions/pulses for which accuracy test is being carried out through portable meter testing equipment.

At present different make of Single Phase and Three Phase Electro-Mechanical and Electronic Meters are installed at consumers’ premises. The testing equipment so used shall be capable of measuring the accuracy of the each make of meter under test.

Under this contract the agency has to carry out the following work/action at site as below.

- I. At consumer’s premises, the site officer of the agency will produce his as well as his team members’ identification card to the consumer or its representative.
- II. The site officer then will ask the consumer or its representative for the latest electricity bill for verification of consumer details.
- III. The team of the agency will physically inspect the installation status of consumer’s service line i.e. whether overhead/underground and its condition and will record the findings in test report.
- IV. The team of the agency shall check the forwardness/Blinking of the meter under test on each phase on heater load (minimum 1 KW).

- V. After completing the above the agency will proceed for testing of meter for its accuracy on running and maximum load provided by the consumer.
- VI. The testing shall be done through sub-standard reference meter having class of accuracy of at least 0.5 class i.e one class higher than the meter under test as per relevant IS. The test results of meter shall be stored in the reference meter and at the end of day prints of all testing results shall be taken and furnished to the concerned Sub division within 2 days.
- VII. The agency will prepare the test report as per Annex-A in three copies duly signed by team in charge and will get the signature of the consumer or its representative and then deliver one copy to the consumer at site. The agency shall also furnish second copy to the concerned Assistant Engineer (O&M) within 2 days for his record.
- VIII. In case the agency detects any abnormality cover under Terms & conditions of Supply ” regarding Malpractice, Improper, Unauthorized or Un- fair Consumption, Abstraction, Use or Drawl of Energy the agency shall inform the concerned Executive Engineer/ Assistant Engineer /Junior Engineer (O&M/VIG) for preparing Joint Report as per norms before leaving the site.
- IX. For on demand testing of meter as desired by consumer, the agency has to carry out the testing within three days and the agency will clearly indicate it on the test report. The intimation for on demand testing will be communicated to agency over telephone by concerned AEN(O&M).
- X. For the meters found Defective/ Stop/ Burnt or Error beyond the class of accuracy of the meter, a separate database is to be created and submitted to the concerned Assistant Engineer (O&M) within three days.
- XI. Cases like premises found locked or meter not accessible for testing or meter could not tested due to consumer intervention shall be brought to the notice separately to the concerned Assistant Engineer (O&M).
- XII. The agency shall ensure about the accuracy of data related to tested meter.
- XIII. Since the meter testing is a manual process and depends on the quality of men employed, the meter tester should be trained, minimum ITI and qualified enough to operate/handle such equipments.
- XIV. There are so many push-fit types of meters installed in JVVNL. For testing of such meters the voltage input to the reference sub standard meters shall be taken from the load side CUT-OUT/ MCCB/ SWITCH/ SOCKET. In any case no cable cut shall be allowed and testing to be done without opening the box.
- XV. Furnish computation of provisional assessment in consultation with field officer as per prevailing rules of Nigam.
- XVI. The agency shall ensure proper sealing of metering system after completion of testing. The agency shall further maintain records of both old & new seals till the completion of contract. Once the contract is over, the same details shall be handed over to JVVNL in soft copies as well as in hard copies also.

3.3 MAINTENANCE OF DATABASE:

The agency shall maintain the consumer database of JVVNL for: -

- a) Consumer database including consumers details, meter details, installation status of service line and meter including meter's existing seals and new seals provided after testing by the agency, last meter reading with date and other relevant data, verification of correctness of wiring connection.
- b) The test results as obtained and recorded in the Non-Volatile Memory (NVM) of the Meter Testing Equipment shall be downloaded to a Master Computer and shall be provided to the JVVNL in the form of hard copy and in the form of the soft copy.
- c) Generation of test results including electrical parameters at site and preparation of output reports to enable supervision and monitoring of status and performance of the meters installed at consumers premises. Consumer database shall be digitized into an electronic file. The file shall have the facility for editing and updating for future expansions and modifications.

3.4 DATA COLLECTION:

The agency shall collect sub-division wise and category wise details of the consumer's meters who have completed installation age of 5 years from the respective circle Superintending Engineer (O&M)/concerned Assistant Engineer (O&M) every month before seven days of start of that month.

Agency shall collect the currently available consumer database regarding consumer details, meter details, installation status of service line and meter including meter's seals and other relevant data with the records available with the office of the concerned Assistant Engineer (O&M).

4. TECHNICAL DETAILS OF METER TESTING EQUIPMENT:

- 4.1 The agency shall have a portable testing equipment (Sub-Standard Reference Meter) of suitable rating having class of accuracy 0.5 or higher (one class higher accuracy than meter as per relevant IS) to test Single Phase and Three Phase Electro-Mechanical and Electronic meters at site, installed at consumers premises. **The equipment should be duly calibrated from any NABL accredited lab & also have NABL accreditation for onsite testing.**
- 4.2 The testing equipment (Sub-Standard Reference Meter) should be capable of measuring the accuracy of the meter under test after entering the meter constant and number of pulses/revolution. After sensing the same number of pulses / revolution of the meter under test by the optical scanner, the meter testing equipment should directly display the percentage error of the meter under test.
- 4.3 The testing equipment (Sub-Standard Reference Meter) shall have an accuracy class of 0.5 or higher class of accuracy in the clamp on mode so that testing can be carried out on consumer load (Running & Maximum available) at site without disconnecting the consumer supply.

4.4 The testing equipment (Sub- Standard Reference Meter) should be capable of displaying the following parameters at the time of testing.

- i. Per Phase Voltage
- ii. Per Phase Current
- iii. Power factor (Lag/Lead)
- iv. Load in KW
- v. Energy measurement during the test period.
- vi. Percentage error of the meter under test (slow/fast).

4.5 The testing equipment shall have the facility to input/enter the following information.

- i. Consumer Account Number for minimum Twelve alphanumeric characters.
- ii. Meter Serial Number for minimum Twelve alphanumeric characters
- iii. Meter Constant in revolution or pulses per KWh for minimum 5 digits.

4.6 The testing equipment shall have Non-Volatile Memory (NVM). The NVM shall be capable to store minimum 100 (One Hundred) test results with the following parameters logged in along with the test results.

- i. Consumer identification (Consumer Account Number)
- ii. Serial Number of Meter Under Test
- iii. Meter constant of Meter Under Test
- iv. Number of revolutions/pulses for which accuracy test is being carried out.
- v. Per Phase voltages
- vi. Per Phase currents
- vii. power factor (Lag/Lead)
- viii. Load in KW
- ix. Energy measurement during the test period.
- x. Percentage error of the meter under test (slow/fast).

The testing equipment shall store the test result on first in first out (FIFO) basis.

4.7 The test results as obtained and recorded in the Non-Volatile Memory (NVM) of the Meter Testing Equipment shall be provided to the JVVNL in hard copy and in the form of the CD. The same shall be provided for all meters tested at site for verification of the work done. In the event of the premises locked/meter not accessible/consumer intervention the same shall be brought to the notice separately and the same shall not be considered in the quantity of meters tested.

4.8 The agency shall also furnish the latest calibration certificate (not older than one year from the date of order) of the instruments/ equipment used for testing of the meters at site as covered in the work order, from any **NABL Accredited Lab having valid accreditation for the calibration of those instruments/ equipments. The agency shall also get calibrated the testing instruments/ equipments (after completion of one year of previous calibration) from any **NABL Accredited Lab** having valid accreditation for the calibration of those instruments/ equipments and shall also furnish the calibration certificate. The calibration certificate should not in any case, be older than one year at the time of presenting the same to the Inspecting Officer. In case however, the agency fails to comply**

with the conditions as aforesaid, a certificate in writing of the inspector/representative of the JVVNL that the agency has failed to provide the facilities shall be conclusive.

- 4.9** The JVVNL also reserves the right to get tested the testing instruments/equipment used for the testing of the meters at site as covered in the work order, in any **Recognized Government Lab/NABL Accredited lab** and claiming any compensation or rejecting the instrument/equipment, if not found in accordance with the specification. All charges consequent to such rejection and rectification shall be borne by the supplier.

5. SEALING ARRANGEMENT:

After testing/ checking, Meter Terminal cover and/ or Meter Box shall be sealed by the agency.

POLY CARBONATE SEALS: - Poly carbonate seals should be as per specification of JVVNL (The specification of seals shall be provided to successful bidder) is to be supplied and provided by the agency after approval from SE(M&P), Jaipur at firm's own cost. Seals shall be duly inspected by inspecting officer nominated by SE(M&P), Jaipur at manufacturer's works at the cost of agency. The seal shall have monogram of the agency as well as JVVNL. This seal is to be used for sealing the terminal cover and meter box.

PAPER STICKER:- Paper sticker seals should be as per specification of JVVNL (The specification of seals shall be provided to successful bidder) is to be supplied and provided by the agency after approval from SE(M&P), Jaipur at firm's own cost. Seals shall be duly inspected by inspecting officer nominated by SE(M&P), Jaipur at manufacturer's works at the cost of agency. The seal shall have monogram of the agency as well as JVVNL. Besides one Poly Carbonate seal, one paper sticker seal shall be used to seal the meter box after testing.

The agency will affix a sticker seal after testing the meter where old seals cannot be removed.

6. OUT PUT REPORTS & TIME FRAME:

Sub-Division wise detailed output reports:

Part-1

S No	Detail of Report	Annex No.	Frequency of reporting
1	Inspection Report for checking/ testing of meter & test results	A	To consumer-at site To AEN (O&M)-2 days
2	Status of defective meters	B	To AEN (O&M)-3 days
3	Consumer Data Base	C	To AEN (O&M) Monthly by 7 th in next month
4	Computation of provisional assessment on account of defective meters		To AEN(O&M)-15 days from date of testing
5	Assessment and realization status		Attached along with monthly report

- The meter is to be tested at consumers running load, consumers maximum load and with minimum 1KW heater load. The performance of meter will be recorded at these different loads. The copy of meter testing reports to be furnished to concerned AEN (O&M) will be authenticated by printed test results obtained from meter testing equipments. The bidder may note that there is push fit type of meter installed at some of the consumer. Such meter have no provision of resealing i.e. the seals can't be broken. The vendor shall have appropriate arrangement to test such type of meters.
- Agency shall furnish one hard copy and one soft copy of meter test results and electrical parameters as recorded in the Non-Volatile Memory (NVM) of the Meter Testing Equipment at site to the concerned AEN (O&M).
- Agency shall also furnish one hard copy and one soft copy of above output report to concerned Circle SE (O&M) and XEN (O&M) monthly by 7th in next month
- The inspection report to be filled-in at consumer premises shall have printed book no. & serial no. with logo of JVVNL & the agency. For the duplicate copy double-sided carbon will be used by the agency.

**Circle Summary reports (On Division & Sub. Div. basis for each circle):
Part-2**

S N	Detail of Report	Annex No.	Frequency of reporting*
1	Status of category wise testing of meters including proposed assessment (S/D & DIV. Basis)	D	Monthly by 7 th in next month
2	Status of category wise testing of meters including proposed assessment (Circle. Basis)	E	Monthly by 7 th in next month

*Agency shall furnish above output reports of each circle by 7th in the next month.

Agency shall also furnish the above output reports to the following officers.

- i. One hard copy and one soft copy to concerned Circle SE (O&M).
- ii. One hard copy and one soft copy to concerned XEN (O&M) and AEN (O&M).
- iii. One hard and one soft copy of summary to SE (M&P), JVVNL, Jaipur for all assigned circles

The formats of aforesaid output reports appended at Annexure A to E however JVVNL reserves the right to modify / alter the same or may ask the Agency to furnish the additional reports at any time during the contract period based upon the input data.

7. TRAINING :-

The agency will arrange a proper training to technical staff regarding methodology for testing & sealing of the meters at site as per above clauses of this technical specification.

8. JVVNL's SCOPE:

To make available the list of consumers by concerned subdivision office for which testing to be got carried out.

9. STANDARDS OF PERFORMANCE:

The agency shall manage the system in an efficient manner according to the highest standards. The standards of performance, particularly for the following parameters shall be worked out by the Agency following the data furnished in reply to Schedule-5 got approved from the JVVNL and followed thereafter:

- i. Verification/validation and updating of consumers database & maintenance of database regularly including related data
- ii. Proportion of satisfactory testing of meters out of total targeted meters installed at site.
- iii. Proportion of satisfactory and in time emergency testing of meters on request of JVVNL out of total such emergency testing at site.
- iv. Generation of test results at site and preparation of output reports to enable supervision and monitoring of status and performance of the meters installed at consumers premises.

10. RECORDS MAINTENANCE:

The agency shall maintain such records as are required for the purpose of verification of the same, if required, for a period six months after the completion of the contract.

11. CONTRACT PERIOD:

The contract period shall be initially for one year, however, renewable for such period and quantity as mutually agreed.

The performance of the agency will be reviewed quarterly (i.e. after completion of every three months) at circle level. The contract for awarded work may be rescinded at any time if the performance regarding achievement of the objective and scope of works as specified in this specification is not found satisfactory [no compensation will be paid] or the agency breach any of the terms and conditions, or the agency will be advised for improvement. Contract can be terminated anytime with one month's prior notice by Discom.

12. PENALTY ON DELAY IN COMPLETION OF WORK:

In the event of 25% work of ordered quantity of particular circle is not completed within 6 months, on the balance quantity of meters, the JVVNL shall effect a penalty of HALF PERCENT (0.5%) per week or part thereof subject to a maximum of TEN PERCENT (10%) of delayed work amount, shall be recovered from the account of Agency.

13. TERM OF PAYMENT / MODE OF PAYMENT:

Term of payment and mode of payment shall be as per Part-2 General Conditions of Contract (GCC). However, it is clarified that payments shall be made only after successful testing, submission of output reports & provisional assessments, if any.

14. MONITORING:

The Agency shall submit the output reports as per this Section. Permit JVVNL access to meter testing records and the related documents. Make available its management at all reasonable times to discuss with JVVNL the operations of the agreements and related matters.

ANNEXURE A.

Inspection Report for Checking/ Testing of DS/ NDS/SIP/ ML/ Connection

Page No.

Book No.

Name of Consumer & Address

1. A/c No./ Service No. -----
2. Category -----
3. S. Load /Connected Load-----
4. Name of O&M Sub-Div/Div/Circle-----
5. Reason of Testing consumer complaint / department requirement
6. Status of Service Line : Armored / un armored OH/UG
7. Whether Any Joint in Service Line
(on main side from pole to meter terminal)

Yes/ No

8. Meter box Provided

Yes/ No

9. Meter Terminal Cover Provided

Yes/ No

10. Details of Meter Installed

Make		Type(Ele/Mech)		Date in meter
S.No		Revolution/pulse		
Amp.		3-Ph/1-Ph		Time in meter
Volt		Reading (KWH)		

11 Meter Performance:

(a).Meter forwardness Checked with heater:

R-element	Y-element	B-element

(b) Meter Performance Checked with standard meter testing equipment and found as under:

Load in KW	Electrical Parameters								(%)Error
	V1	V2	V3	I1	I2	I3	pf	L	
Running Load									
Maximum Load									

12.Details of seals provided before (including status) & after inspection

Particulars	Before test/Inspection	After test/Inspection
Meter body seal Meter Terminal seal Box seal		

13.Action suggested-----

14.Remarks:-----

Signature of Consumer

Signature of tester.

Signature of team incharge

STATUS OF DEFECTIVE METERS

ANNEXURE: B

Reporting Month:

Name of circle :

Name of Div.:

Name of Sub-div.:

S. No.	Name of consumer	Account number	Category	Sanction Load	Meter Type (E/M)	Meter (SP /PP)	Meter Sr. No.	Status of defective meter		
								Stop/Burnt/Defective/Erroneous	If erroneous then % error	
									Running load	Maximum load

Note:

(i) E- Electronic & M- Electromechanical meter.

(ii) SP- Single Phase & PP- Poly phase

CONSUMER DATA BASE

ANNEXURE:C
Reporting Month:

Name of circle : _____ Name of Div.: _____ Name of Subdivision: _____

S. No.	Name of consumer	Account number	Category	Sanction Load	Service line (OH / UG)	Meter Type (E/M)	Meter (SP /PP)	Meter Sr. No.	Status of meter (Working/ Stop/ Burnt/ Defective)	If working, % Error of meter	Status of Meter body seals		Status of Meter box and sealing details			Status of Meter terminal cover and sealing details					
											NO.	Condition OK/Br/Ms	Box (Y/N)	Existing seal		New seal number	T.C. (Y/N)	Existing seal		New seal NO.	
														NO.	Condition OK/Br/Ms			NO.	Condition OK/Br/Ms		

- Note:
- (i) OH- Overhead & UG- Underground
 - (ii) E- Electronic & M- Electromechanical meter
 - (iii) SP- Single Phase & PP- Poly phase
 - (iv) Y- Yes & N-No
 - (v) OK-OK , Br- Broken & Ms- Missing

**STATUS OF CATEGORY WISE TESTING OF METERS(SUBDIVISION/DIVISION BASIS)
(Including Proposed assessment)**

ANNEXURE: D

Reporting Month:

Name of circle

S. No.	Name of division/ sub-division	DS Category				NDS Category				SIP Category				Mixed Load Category				Other Categories							
		Checked		Defective		Checked		Defective		Checked		Defective		Checked		Defective		Checked		Defective					
		E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M				

Note:

(i) Defective meter includes: Stop/Burnt/Erroneous.

(ii) E- Electronic & M- Electromechanical meter.

(iii) Division basis information is to be incorporated in the report on total basis.

**STATUS OF CATEGORY WISE TESTING OF METERS (CIRCLE BASIS)
(Including Proposed assessment)**

ANNEXURE: E

Reporting Month:

S. No.	Name of Circle	DS Category				NDS Category				SIP Category				Mixed Load Category				Other Categories							
		Checked		Defective		Checked		Defective		Checked		Defective		Checked		Defective		Checked		Defective					
		E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M				

Note:

(i) Defective meter includes: Stop/Burnt/Erroneous.

(ii) E- Electronic & M- Electromechanical meter.

(iii) Circle basis information is to be incorporated in the report on total basis.