C. No-150261/2018/Dir(IT)

OFFICE OF EXECUTIVE ENGINEER (WS) 01/06/18
WATER SUPPLY DIVISION 04/06/18
CIVIL ENGINEERING DEPARTMENT
NEW DELHI MUNICIPAL COUNCIL
ROOM NO.231 S.B.S PLACE
GOLE MARKET: NEW DELHI – 110001

No. EE(W/S)/ 845 /D. Dated:- 01/06/18

The Director (IT),
New Delhi Municipal Council,
Palika Kendra,
New Delhi-110001.

Subject:-Request for insertion of enclosed RFP Corrigendum-2nd.

Name of work:-Providing 24x7 Water Supply in NDMC Area.
SH:-Replacement of House Service Connection AMR Meters, Water Quality Sensors, etc. and Assessment of NRW for continuous Water Supply System (Part-I) in NDMC Area.

RFP ID No.2018_NDMC_150823_1 dt. 12.05.2018

The above said RFP corrigendum-2nd has been published on e-procurement system on 01.06.2018, with revised last date of submission of RFP documents on 22.06.2018 at 3.00 PM, and 2nd Pre-bid meeting will be held on 08.06.2018 at 3.00 PM in council Room, 3rd Floor, Palika Kendra, New Delhi.

Director (IT) may be requested to get display the said RFP on NDMC website www.ndmc.gov.in (soft copy of RFP document enclosed herewith).

EXECUTIVE ENGINEER (WS)

Copy to:
SE (PH) for kind information

नई दिल्ली नगरपालिका परिषद्

WATER SUPPLY DIVISION, CIVIL ENGINEERING DEPTT.
NEW DELHI MUNICIPAL COUNCIL
ROOM NO. 231, SHAHID BHAGAT SINGH PLACE
NEW DELHI

e-Procurement RFP Notice

CORRIGENDUM-2nd

RFP ID No.2018_NDMC_150823_1

Name of Work:-Providing 24x7 Water Supply in NDMC Area.
SH:-Replacement of House Service Connection AMR Meters, Water Quality Sensors, etc. and Assessment of NRW for continuous Water Supply System (Part-I) in NDMC Area.

RFP No 01/EE (W/S) /2018-19

Date and time for-2nd pre-bid meeting, **08.06.2018, at 3.00 PM in Council Room, 3rd Floor, Palika Kendra, New Delhi Municipal Council.**

Revised last date/time for receipt of RFP through e-procurement solution :**22.06.2018 upto 3.00PM**

Revised Date of opening of RFP : **22.06.2018 upto 3.30 PM**

Details of corrigendum-2nd are already published on e-Procurement system.

Further details can be seen at http://govtprocurement.delhi.gov.in
Note: - To participate in e-tender in NDMC registration with e-tendering system, Government of NCT of Delhi is mandatory.

Executive Engineer (W/S)
NDMC, New Delhi

Name of work: Providing 24x7 Water Supply in NDMC Area.
Sub Head: Replacement of House Service Connection, AMR Meters, water quality sensors etc. and Assessment of NRW for continuous water supply system (Part-I) in NDMC Area.

RFP ID No.2018_NDMC_150823_1

CORRIGENDUM-2

Date of submission of Bids Extended upto **22.06.2018** rest all remain same.

-sd/-
Executive Engineer (W/S)

2nd CORRIGENDUM (dated 31.05.2018)

Date of 2nd Pre Bid	08.06.2018 at 3:00 PM in Council Room, 3rd Floor, Palika Kendra, NDMC
RFP Purchase date	Up to 21.06.2018 till 3:00 PM
Date of submission of Bids	Extended upto 22.06.2018 rest all remain same

Sr. No.	Ref.	Existing	Changes
Changes in RFP Volume-I, Published on 12th May 2018			
1.	3.1 P-12 of 279	Brief History of Water Supply of NDMC Water Supply.	Brief History of Water Supply of NDMC Area.
2.	3.7.1 P-17 of 279	As per ISO:4064 2014	As per ISO:4064 2005
3.	3.7.1 P-18 of 279	Low head loss of 0.16 bar at Q3 as per ISO: 4064/ OIML R49	Low head loss at Q3 as per ISO: 4064/ OIML R49 for respective diameter of water meter.
4.	3.7.1 P-18 of 279	The meter body shall be made of anti-corrosive metallic body (Brass/Bronze) for sizes 15mmto 40mm and shall be have threaded end-connections. The meter body shall be Cast Iron /Ductile for sizes 50mm to 250mm and shall have flanged end connections as per PN10/PN16.	The meter body shall be made of engineering plastic for sizes 15mmto 40mm and shall be have threaded end-connections. The meter body shall be anti-corrosive metallic body or engineering plastic for sizes 50mm to 300mm and shall have flanged end connections as per PN10/PN16.
5.	P-19 of 279	The sensors should not be mounted directly in the path of flow of water and hence, the meter should not be equipped with a strainer so as to ensure a head loss of max. 0.16 bar at Q3.	The sensors should not be mounted directly in the path of flow of water and hence, the meter should not be equipped with a strainer so as to ensure a maximum head loss at Q3 as per ISO:4064/ OIMLD R49 for respective diameter.
6.	P-19 of 279	4. Law battery indication	4. Low battery indication
7.	P-19 of 279	1. Powered through a 1.6GHz processor with 2GB RAM	1. Powered through a 2.2GHz processor with 2GB RAM
8.	P-20 of 279	9. IP65, with operating temperature range up to 70 deg. C	9. IP68, with operating temperature range up to 50 deg. C
9.	P-20 of 279	The completion period for supply, installation, and commissioning work is 12 months for the implementation and 4 years for Operation & Maintenance from the date of the issue of the work order for the contract.	The completion period for supply, installation, and commissioning work is 14 months for the implementation (except pilot DMA) and 4 years for Maintenance of water meter & online sensor from the date of the issue of the work order for the contract.

3.7 SCOPE OF WORK

EXISTING

Sr No.	Project Time in Years	Mile Stones	Time period (in months w.e.f. date of signing of agreement)
1	1st Year	(a) Base line study, detail assessment of the water supply system, hydraulic modeling	1st
		(b) Replacement of 100% House Service Connection with the water meters	2nd to 10th
		(c) to establish the pilot DMA for successful continuous pressurized water supply system	2nd to 10th
		(d) Commissioning of central monitoring system as per NDMC requirements	6th to 11th
		(e) Deploy Technical expertise and man power resources required to assist NDMC for water management in daily operations, Training to NDMC staff	12th
2	2nd Year to 5th Year	O&M of installed water meters and house service connections including assets created-Central Monitoring system services and others if any (distribution pipeline repairs &maintenance are excluded)	

Note:

(1) O & M of pilot DMA created and converted for continuous supply shall be the responsibility of NDMC

(2) The above timeline is tentative, can be squeezed in mutual agreement with the Bidder to speed up the work and finish at the earliest depending on the requirement.

READ AS

Sr. No.	Project Time in Years	Mile Stones	Time period (in months)
1.		**Mobilization period**	2
2.	**1st Year**	(a) Base line study, detail assessment of the water supply system, hydraulic modeling, GIS upgradation	1st to 3rd
		(b) Replacement of 100% House Service Connection with the water meters	1st to 10th
		(c) to establish the pilot DMA for successful continuous pressurized water supply system	3rd to 8th
		(d) Commissioning of central monitoring system as per NDMC requirements	6th to 11th
		(e) Deploy Technical expertise and man power resources required to assist NDMC for water management in daily operations, Training to NDMC staff	12th To 14th (if required)
3	**2nd Year to 5th Year**	Operation & Maintenance of pilot DMA Central Monitoring system services and others if any	1 year
		Maintenance of installed water meters and online water monitoring sensors including assets created-(distribution pipeline repairs &maintenance are excluded)	

Note:

(1) O & M of pilot DMA created and converted for continuous supply shall be the responsibility of NDMC after two years of commissioning.

(2) The above timeline is tentative, can be squeezed in mutual agreement with the Bidder to speed up the work and finish at the earliest depending on the requirement.

3.14.2 Proposed Timeline

Existing

Sr. No.	Project Stage	Description	
1	1st Year	100% House Service Connection and commissioning of central moRfPoring system as per NDMC requirements	
		Technical expertise and manpower resources to assist NDMC to establish the pilot DMA for successful continuous pressurised water supply system	
	Milestone	First 3 months	1/8th of whole work
		6 month	3/8th of whole work
		9 months	3/4th of whole work
		12 months	Full work
		In the event of not achieving the necessary progress as assured from running payment. 1% of the tendered value of work will be withheld for failure of each milestone.	
2	2nd Year to 5th Year	O & M of earlier installed water meters / assets created including Central MoRfPoring system services (distribution pipeline repairs &maintenance is excluded)	
		O & M of pilot DMA created and converted for continuous supply shall be for six months and thereafter it will be the responsibility of NDMC	

Read As

Sr. No.	Project Stage	Description	
1	1st Year	100% House Service Connection and commissioning of central monitoring system as per NDMC requirements	
		Technical expertise and manpower resources to assist NDMC to establish the pilot DMA for successful continuous pressurized water supply system	
	Milestone	First 6 months	1/8th of whole work
		9 month	3/8th of whole work
		12 months	3/4th of whole work
		14 months	Full work
		In the event of not achieving the necessary progress as assured from running payment. 1% of the tendered value of work will be withheld for failure of each milestone.	
2	2nd Year to 5th Year	O & M of pilot DMA with Central Monitoring system services created and converted for continuous supply shall be for one year and thereafter it will be the responsibility of NDMC.	
		Maintenance of installed water meters and online water monitoring sensors.	

SCHEDULE "F" Clause 5.4- Milestones

Existing

Sr. No.	Description of mile stone (physical)	Time allowed in days (From date of start)	Amount to be withheld in case of non-achievement of milestones
1.	1/8th of whole work	1/4th of whole	In the event of not

Read AS

Sr. No.	Description of mile stone (physical)	Time allowed in months (From date of start)	Amount to be withheld in case of non-achievement of milestones
1.	1/8th of whole work	6	In the event of not

		work	achieving the necessary progress as assured from running payment. 1% of the tendered value of work will be withheld for failure of each milestone.
2.	3/8th of whole work	1/2th of whole work	
3.	3/4th of whole work	3/4th of whole work	
4.	Full work	Full work	

2.	3/8th of whole work	9	achieving the necessary progress as assured from running payment. 1% of the tendered value of work will be withheld for failure of each milestone.
3.	3/4th of whole work	12	
4.	Full work	14	

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Executive Engineer (W/S)

		compressed Air	compliance of national & international standards.
28.	P-95 of 113	**4. Specifications for Conductivity& TDS Cleaning** Automatic Self-Cleaning using compressed Air	**4. Specifications for Conductivity & TDS Cleaning** Automatic Self-Cleaning with compliance of national & international standards.
29.	P-95 of 113	**5. Specifications for Ammonia (NH4-N), Nitrates(NO3-N), UV254, total organic carbon (TOC), Temperature, Colour** Cleaning Automatic Self-Cleaning using compressed Air	**5. Specifications for Ammonia (NH4-N), Nitrates(NO3-N), UV254, total organic carbon (TOC), Temperature, Colour** Cleaning Automatic Self-Cleaning with compliance of national & international standards

		• Battery life indicator • Display digits ≥8	• Battery life indicator/Low battery Alarm • Display digits ≥8
17.	P-81 of 113	Pre-shipment Inspection at Third Party Lab	Under this head, FCRI may read as "Accredited Lab as per the direction of Engineer-in-Charge".
18.	P-82 of 113	The totalizer and totalizer shield The totalizer shall..... sealing wire	Deleted
19.	P-83 of 113	Sample and LabTesting:	Under this head, FCRI may read as "Accredited Lab as per the direction of Engineer-in-Charge".
20.	P-83 of 113	The bidders shall submit along with the bids 03 no. of highest quantity sample water meterswhich is 15 mm in this case, before closing date & time of submission of bid or along with bid.	Deleted
21.	P-83 of 113	Sample meter will be .... FCRI	It should be read as water meter in place of sample meter, rest same.
22.	P-88 of 113	1.1 Minimum System Requirement Device - 5" Screen 1 GB of RAM 8 GB of Flash Disk	1.1 Minimum System Requirement Device – 5" Screen or above 2 GB of RAM 64 GB of Flash Disk Remaining parameters are same.
23.	P-92 of 113	**System Data Storage** Non-Volatile memoryof minimum 4GB has to integral part, Storage up to 1 year for all parameters with measurementinterval of 15 minutes	**System Data Storage** Non-Volatile memory as integral part with a storage capacityupto2 years for all parameters with measurement interval of 5 minutes
24.	P-92 of 113	**Power Input** 12V DC	**Power Input** 12V DC minimum
25.	P-94 of 113	**1. Specifications for Turbidity** **Measurement Principle** Optical, 2 Beam Spectrometry (1 beam for reference) **Cleaning** Automatic Self-Cleaning usingcompressed Airor rucksack	**1. Specifications for Turbidity** **Measurement Principle** Optical, 2 Beam Spectrometry (1 beam for reference) or nephelometric at an angle of 90^0 with compliance of national & international standards. **Cleaning** Automatic Self-Cleaning with compliance of national & international standards.
26.	P-94 of 113	**2. Specifications for Hydrogen Ion Concentration pH** **Cleaning** Automatic Self-Cleaning using compressed Air	**2. Specifications for Hydrogen Ion Concentration pH** **Cleaning** Automatic Self-Cleaning with compliance of national & international standards.
27.	P-95 of 113	**3. Specifications for Free Chlorine** **Cleaning** Automatic Self-Cleaning using	**3. Specifications for Free Chlorine** **Cleaning** Automatic Self-Cleaning with

		installation at site.	the Table No. 4 of IS 779 (to be filled) before installation atsite.
8.	P-81 of 113	(a) Marking on dial/cap. -Class B - ULTRASONIC -ISO:4064-1993 - Water meter serial number - Year of manufacture -Radio frequency serial number - IP degree/IP 68 - Maximum Admissible Pressure - Maximum Admissible Temperature - MID/OIML Code No. /CE mark with Notifying body number - Ratio - Nominal flow - Make /Brand - Sl. No. / Year of Manufacture - NDMC (b) Embossing/ engraved on meter body. - Diameter of Meter (in mm) - Direction of flow of water on both sides of the body of meter:	(a) Marking on dial/cap. - Deleted - ULTRASONIC -ISO:4064-2005 - Water meter serial number - Year of manufacture -Radio frequency serial number, if applicable - IP degree/IP 68 - Maximum Admissible Pressure - Maximum Admissible Temperature - MID/OIML Code No. /CE mark with Notifying body number - Ratio - Nominal flow - Make /Brand - Sl. No. / Year of Manufacture - NDMC - Diameter of Meter (in mm) - Direction of flow of water on both sides of the body of meter:
9.	P-81 of 113	The water meter shall be capable ofmeasuring flow rate in both directions from 0.1°Cto 70°C.	The water meter shall be capable of measuring flow rate in both directions from 0.1°C to 50°C.
10.	P-81 of 113	The water meter body shall be made of corrosion resistant material like brass/bronze/cast Iron	The water meter body shall be made up of engineering plastic for diameter 15mm to 40mm &engineering plastic ornon-corrosive metallic body for dia 50mm & above.
11.	P-81 of 113	Display shall be enclosed in metal can, protected by mineral glass and further covered by lid	Deleted
12.	P-81 of 113	Battery extractable for recycling purposes.	Battery extractable for recycling/replacement purposes, if applicable.
13.	P-81 of 113	The water meter shall measure water temperature	Deleted
14.	P-81 of 113	Test reports of individual meters from origin MID certified factory shall be acceptable	Test reports of individual meters from origin MID certified factory shall be acceptable, if applicable
15.	P-81 of 113	Water meters or components in contact with drinkable water must have aSanitaryCompliance Certificate, from country of origin.	Water meters or components in contact with drinkable water must have a Sanitary Compliance Certificate, from Accredited/reputed Lab.
16.	P-82 of 113	Following information should be readable on display • Index • Flow rate • Air in pipe indicator	Following information should be readable on display • Index • Flow rate • Deleted

10.	3.8.3 P-20 of 279	At FCRI	At Accredited Lab as per the direction of Engineer-in-Charge.
11	3.8.4(b) P-21 of 279	b. remote/ automated reading of individual and groups of water meters through DCU or connector or IOT platform or any other fixed network.	b. remote/ automated reading of individual and groups of water meters through DCU or concentrator or IOT platform or any other fixed network for pilot DMA and through HHU for rest of NDMC area.
12.	14A P-22 of 279		The water meters are all communicating in Open Protocols (OMS – Open Metering Standard) for future requirement of NDMC. The bidder will share the protocol/ architecture of software used for meter reading with NDMC.
13.	3.8.20 P-23 of 279	If not already established, the Bidder shall be required to establish its sales/service center in New Delhi immediately after the award of the work. If not already comprised in his service center, a Lab Test Bench shall be established in New Delhi within 2 months from the starting date of the contract as per FCRI or some other relevant guidelines approved by NDMC. The Bidder shall set up a test bench to carry out minor repairs and to conduct accuracy test. Water Meter Test Bench is to be designed for measuring the accuracy and pressure losses of water meters of Dia. 15 mm and above **up to 100 mmnin** the premises of the Bidder's sales/service center. The service center..... Engineer-In-Charge.	The Bidder shall be required to establish its sales/service center in NDMC Area immediately after the award of the work.The Lab/ Test Bench shall be established in NDMC area within 2 months from the starting date of the contract as per FCRI or some other relevant guidelines approved by NDMC. The Bidder shall set up a test bench to carry out minor repairs and to conduct accuracy test. Water Meter Test Bench is to be designed for measuring the accuracy and pressure losses of water meters having diameter 15 mm to 100 mm in the premises of the Bidder's sales/service center. The service center..... Engineer-In-Charge.
14.	3.8.29 P-25 of 279	tow percent (2%) a sufficient buffer stock	two percent (2%) buffer stock
15.	3.8.33 P-26 of 279	The contractor shall arrange for the space and utilities for establishment of this lab. The verifications of accuracy of the meters will be done in NDMC area only.	NDMC shall provide the space as per his own convenience & suitability. The successful bidder needs to be establish service center & test bench at its own cost. At the end of contract/ agreement, same will be handed over to NDMC as & where in working condition
16.	3.8.35 P-26 of 279	The test setups shall be for accuracy testing of 15, 20, 25, 40 & 50 mm sizes of water meters.	The test setups shall be for accuracy testing of 15mm to 100mm dia sizes of water meters.

17.	3.8.37 P-26 of 279	The Contractor shall comprehensively maintain all the test setups & all the equipment's of meter test setup of 15, 20, 25, 40 & 50 mm sizes for the period of (1+04 years).	The Contractor shall comprehensively maintain all the test setups & all the equipment's of meter test setup of 15mm dia to 100mm dia sizes for the period of (1+04 years).
18.	3.8.37 P-26 of 279	Also, the bidder shall obtain calibration certificates as per requirement for all the instruments of all test setups during the warranty period (said 10 years), from the FCRI laboratory only. The contractor shall establish the meter testing laboratory as per FCRI guideline.	Also, the bidder shall obtain calibration certificates as per requirement for all the instruments of all test setups during the warranty period (said 10 years), from the AccreditedLaboratory as per the direction of Engineer-in-charge. The contractor shall establish the meter testing laboratory as per FCRI guideline.
19.	13.14.1 P-39 of 279	3.14.1Operation & Maintenance Services	3.14.1 Operation & Maintenance Services for Pilot DMA
20.	13.14.2 P-39 of 279	3.14.2 PROPOSED TIMELINES	The amended tables are placed at the end of this corrigendum
21.	5.1.2 A P-42 of 279	In last 07 (seven) years ending last day	In last 10 (ten) years ending last day
22.	5.1.3 P-43 of 279	The bidder should have completed at least one project on NRW assessment for the DMA in urban water supply system with control center having more than 1000 service connections	The bidder should have completed at least one project on NRW assessment for the DMA in urban water supply system with having more than 1000 service connections.
23.	5.1.11 P-44 of 279	The Bidder shall enter into a MoU with water meter manufacturer meeting the Specifications defined in this RFP The MOU as per Annexure 5(b)	The Bidder shall enter into a MoU/s with water meter manufacturer/s meeting the Specifications defined in this RFP. The MOU/s as per Annexure 5(b)
24.	5.2.2 P-45 of 279	Meter Manufacturer should have successfully supplied at least 30000Nos. Automated water meters of size 15mm-40mm and 300 Nos. AMR water meters of size 50mm-250mm in India in the last seven years ending last day of the month previous to the one in which applications are invited.	Meter Manufacturer should have successfully supplied at least 5000Nos. Automated water meters of size 15mm-40mm in anywhere in India and 30000 nos. in anywhere in world. 300 Nos. AMR water meters of size 50mm-250mm in India or abroad in the last seven years ending last day of the month previous to the one in which applications are invited.
25.	5.2.10 (ii) P-61 of 279	Payment for O&M Services	Deleted
26.	5.2.10 (ii) P-61 of 279	(ii) Any addition in O&M Service up to 10% shall be within the quoted price for O&M	Deleted
27.	5.5.11.1 P-61 of 279	For water Meters / instrument	For water Meters & online sensor.
28.	5.5.12.1 P-62 of 279	During the Guarantee period ..... of the repaired/replacement meters	During the Guarantee period ..... of the repaired/replacement meters with maximum limit equivalent to double the cost of water meter in the bid.

29.	5.5.12.1 P-62 of 279		The payment schedule for item no.1 is as under:- • 20% of total cost of item no.1 - at the time of submission of GIS Mapping & Hydraulic Modeling, approval of Pilot DMA from Department. • 40% of total cost of item no.1 - at the time of successful execution of Pilot DMA on the field. • 20% of total cost of item no.1 - at the time of successful implementation of Pilot DMA. • 10% of total cost of item no.1 - at the time of successful submission of SIP for whole NDMC area. 10% on achieving the targets 15% UFW and minimum 18 hours water supply.
30.	P-268 of 279 (Annexure 23)		1.19 Operation & Maintenance of pilot DMA Central Monitoring system services and others
31.	P-268 of 279 (Annexure 23)		1.20 Miscellaneous item
32.	P-268 of 279 (Annexure 23)		The bidder may add/ delete the bifurcation of rate of item no.1 of BOQ in Annexure-23 as per their assessment to fulfill the requirement/ specification of item no.1
33.	Item No.1 of BOQ	Studying the current..... final hydraulic model for NDMC area and submit the system Improvement plan(SIP)	Studying the current..... final hydraulic model for NDMC area and submit the system Improvement plan(SIP) for whole NDMC area.
34.	Item No.1 of BOQ	Unit – Per DMA	Unit – Per Job
35	Item No.5 of BOQ	Providing and fixing water meter box, of HDPE material, including necessary excavation, cost of locking arrangement etc complete of suitable size for 15 to 40 mm dia. The meter box material specifications and the installation workmanship should be as per the details given in RFP Volume-3.	Providing and fixing water meter box, of HDPE/PP material, including necessary excavation, cost of locking arrangement etc complete of suitable size for 15 to 40 mm dia. The meter box material specifications and the installation workmanship should be as per the details given in RFP Volume-3.
36.	Item No.8 of BOQ	Supply, delivery, installation, testing, training and commissioning of online optical sensors for measuring pH Value, Turbidity, Resedual Chlorine, TDS & other parameters of drinking water, etc. with all accessories as per detailed technical specification provided in RFP document Consisting of	Supply, delivery, installation, testing, training and commissioning of online optical sensors for measuring pH Value, Turbidity, Residual Chlorine, TDS & other parameters (optional) of drinking water, etc. with all accessories as per detailed technical specification provided in RFP document Consisting of transducers,

		transducers, transmitters, sensors, converters, cables, proper cabinets, structure required for mounting viz: platforms, railings etc and all required installation hardware complete and as directed by Engineer-in-charge.	transmitters, sensors, converters, cables, proper cabinets, structure required for mounting viz: platforms, railings etc and all required installation hardware complete and as directed by Engineer-in-charge.
37.	Page 182 of 279	Time allowed for execution of work: One Years	Time allowed for execution of work: 14 (Fourteen) Months

Sr. No.	Ref.	Existing	Read As
Changes in first Corrigendum, Published on 18th May 2018			
1.	P-79 of 113	The manufacturing plant in India must have ISO 9001 and ISO 14001 Quality management Certifications	The manufacturing plant in India/ Abroad must have ISO 9001 and ISO 14001 Quality management Certifications
2.	P-79 of 113	The domestic type water meters from 15 mm to 50 mm sizes shall be battery operated	The domestic type water meters from 15 mm to 300 mm sizes shall be battery operated .....
3.	P-80 of 113	Necessary MID certificate (Module B) of product as well as manufacturing facility (Module H) is to be produced	Necessary MID certificate (Module B) of product as well as manufacturing facility (Module D) is to be produced
4.	P-80 of 113	The water meter manufacturer must possess quality management certificates pertaining to ISO 9001:2008, ISO 14001: 2004 as well as the MID H certificate for production of MID meters.	The water meter manufacturer must possess quality management certificates pertaining to ISO 9001:2008, ISO 14001: 2004 as well as the MID D certificate for production of MID meters.
5.	P-80 of 113	3.The water meter and accessories shall be manufactured from materials ofadequatestrength and durability. The materials, which come in contact with the potable water, shall not create a toxic hazard, shall not support microbial growth, and shall not give risetounpleasant taste or discoloration in the water supply. However, the inside of watermeter, the part which in contact with water shall be polished stainless steel.	3.The water meter and accessories shall be manufactured from materials of adequate strength and durability. The materials, which come in contact with the potable water, shall not create a toxic hazard, shall not support microbial growth, and shall not give rise to unpleasant taste or discoloration in the water supply.
6.	P-80 of 113	Supply shall be made strictly as per the sample meters including the weight as approved by the Board after testing at National Physical Laboratory or at Fluid Control Research Institute.	Deleted
7.	P-81 of 113	The meters shall be sent for accuracy testing at FCRI from each batch of supplied meters as per the guidelines shown the Table No. 4 of IS 779 (to be filled) before	The meters shall be sent for accuracy testing at Accredited Lab as per the direction of Engineer-in-Chargefrom each batch of supplied metersas per the guidelines shown