

SPECIFICATION FOR ANNUAL MAINTENANCE CONTRACT FOR SEWERAGE TREATMENT PLANT HAVING CAPACITY OF 150 KLD AT NALSAR UNIVERSITY OF LAW, SHAMEERPET, 500101.

S.No. Description

1. Minimum Manpower required per day:

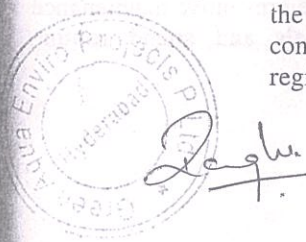
- i) Operators 03 Skilled (Each shift of 8 Hrs. one person)

The treated waste water should comply with the standards given in consent order by APPCB following parameters:

- | | | |
|----|--|------------------------|
| a) | PH. Value | 5.5 to 9.0 |
| b) | Oil & grease | Not to exceed 10 mg/L |
| c) | Suspended solids | Not to exceed 100 mg/L |
| d) | Chemical Oxygen demand | Not to exceed 250 mg/L |
| e) | BOD | Not to exceed 30 mg/L |
| f) | Temperature shall not to exceed 5 Degree Centigrade above the ambient Temperature of the receiving body. | |

2. Terms & Conditions:

- The service should be offered round the clock, 365 days a year.
- All Tools & Tackles required should be provided by contractor.
- All disciplinary rules and regulations are to be followed by the work force of the Contractor during their stay at the premises, Uniforms and safety kits etc. have to be provided by the contractor only.
- All the materials spare parts, consumable such as oil, grease, chlorine etc. have to be provided by the contractor only.
- Consumables provided for smooth and effective functioning of the plant should be got approved by the Assistant Engineer and records must be enclosed with claim.
- Supplying and monitoring of hypochlorite at site.
- The Contractor should submit the preventive maintenance schedule for University approval and its implementation.
- The instruction given to the Contractor from time to time should be properly carried out and necessary records of action taken should be maintained in a Log Book.
- Any damages caused by the Contractor in existing facilities while carrying out the work shall be made good by the contractor to our entire satisfaction at their own risk and cost.
- All statutory requirements pertaining to the job etc. should be fulfilled by the contractor.
- No advance payment will be made to the Contractor. Monthly payments will be released after submission of bill after 30 days and satisfactory completion of job which is to be certified by the Engineer In-charge, NALSAR.
- Dismantled / replaced parts should be handed over to University Engineer.
- The party should submit copies of certificates of PF Code No. and registration under contract labour (Abolition / Regulation) Act, 1970 along with Tender documents and the Contractor having no such registration number, the necessary deductions will be made as per the Govt. Rules.
- All the contractor's employees posted and working in University premises for the above mentioned work should be covered under ESIC making statutory contribution under ESIC Act and incase if the Contractor having no such registration the necessary deductions will be made as per the Govt. Rules.



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- o) The Contractor should follow the guidelines, Rules & Regulation of the Labour Law while engaging labours.
- p) Under all circumstances, the sewage treatment plant should be maintained in a pristine order by carrying out periodical check ups duly attending to the problems assured when encountered.
- q) The treated water should be colourless, odorless and should be worthy enough to be used for horticulture purpose (for maintaining of land scaping, lawns, etc., in the campus).
- r) Prompt and effective supervision such as change of oil, chlorine, carbon, sand and softener's etc., must be carried out on regular basis.
- s) Work involves operation and maintenance of 150 cu. m. per day
- t) The Agency shall give assurance for the effluent treated water for its quality, i.e., colour, odourness and other standard parameters prescribed by APPCB and it should be fit for gardening purpose.

Special Conditions:

Name of the Work	: Operation and maintenance of 150 cu. m Per day Sewage Treatment Plant,
Operation Time	: 24 Hours all 365 days.
Min. Man. Power required	: To be employed by the contractor for the efficient running of the plant.
Operators Skilled	: 03/Day (One person for each shift of 8 Hrs).

The Contractor should submit the names of the persons engaged for the work and they have to report to the Engineer-In-Charge of the Shift. Persons employed should not be changed frequently and the every person employed for the work has to obtain proper Gate Pass from Security Department of the University as per the laid down procedures.

4. **Duties of Operators & Staff Employed:**

Operation and the maintenance of system comprising of Bar screen chambers, Aeration tank, lift pumps, motors, blowers, pipelines, settling tanks, filter unit, Chlorination tanks etc. together with the electrical panels and connections. The Contractor has to keep the area of plant neat and clean.

5. **Repairs:**

The Contractor has to do all minor repairs, for which no additional labour charges will be paid. Under no circumstances plant should remain under breakdown for more than 03 hours. In the event of breakdown/shut down the onus of attending to the problem in the shortest possible time will rest on the Contractor failing which Engineering Department is empowered to get the breakdown/shut down any defect rectified from any out side agency at the risk and cost of the Contractor and make necessary deductions from their bills. The Contractor has to keep all the area and surroundings at the site neat and clean and dump the scrapped materials at the scrap yard.

It will be Contractor's responsibility to maintain Sewerage Treatment Plant in good state all the time contractor should also to plan and undertake preventive maintenance of entire Sewerage Treatment Plant at regular intervals and attend routine

Legh

[Signature]

maintenance activity every day. Contractor should make a service report for all the maintenance jobs carried out and get it counter signed by the Engineer-in-charge. The necessary registers/Documents will be maintained by the Contractor only.

The Contractor has to carry out necessary treatment to the sewage so as to get the following:

a)	PH. Value	5.5 to 9		As per the standard
b)	Oil & grease	10 mg/L		limits of APPCB
c)	Suspended solids	100 mg/L		
d)	BOD	30 mg/L		
e)	C.O.D. not to exceed	250 mg/L		
f)	Temperature shall not exceed above the ambient temperature of the receiving body.	5° C		

Contractor has to carry out the testing of water at the interval of every month and whenever felt necessary as instructed to do so by the department and furnish the test reports to the Engineer-In-charge on priority. The Contractor will also provide a Tests Certificate every month of effluent water before and after treatment and the certificate have to be obtained from the APPCB approved Lab. For B.OD, C.OD, PH, TSS, and O&G

It will be the responsibility of the Contractor to remove excess sludge from sludge holding tank. In addition, Contractor shall also carryout cleaning of Grease/Sludge holding Tanks periodically. Any disposal of grease / sludge out side the premises will be borne by the party.

The Contractor shall supervise and maintain the ST Plant everyday and maintain a log book as per guidelines of the Operation Manual.

Once the contract is awarded to the successful contractor the EMD will be converted in to SD which will be free of interest and the same will be refunded to the Contractor only after the satisfactory completion of the contract.

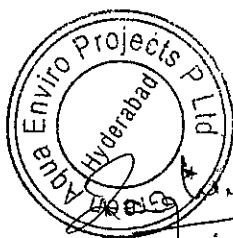
All disputes will be under the jurisdiction of Hyderabad Court only.

6. a) It is the duty of contractor to submit the test certificate from APSCL approved labs before 5th of every month. In case the contractor fail to submit the test certificate before 5th of every month Rs.6,000/- will be deducted from the monthly payments.
- b) In case the contractor fails to provide the skilled operator at the work place more than one hour in any day Rs.200/- per hour will be deducted from the monthly payments.

7. **Prequalification Criteria:** The contractor should have completed during the last five years:

Average Annual Turnover during last 3 years, ending 31st March of previous Financial Year shall be at least Rs.6.00 lakhs. The bidder's financial capability shall be decided based on the average annual turn over and concurrent commitments.

8. **TERMINATION CLAUSE :** The EMD will be converted into SD. The contractor can be terminated by issuing 2 months' notice from either side.



* * *

ANNEXURE -I

ON TENDERER'S LETTER HEAD

CERTIFICATE

To,

The Registrar,
Nalsar University of Law,
Post Box No.1,
Justice City,
Shameerpet,
Medchal-Malkajgiri Dist,
HYDERABAD-500101

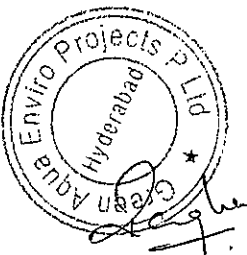
Sir,

It is certified that we have studied and understood the terms and conditions of the tender for AMC for Sewage Treatment Plant at NALSAR University of Law, Hyderabad.

The contractor is only the claim amount as per the amount quoted in Annexure -III.

The benefit of reduction in statutory taxes/ levies, if any, arising during the term of the contract, if awarded in our favour, would be passed on to NALSAR University of Law.

AUTHORISED SIGNATORY
COMPANY SEAL



ANNEXURE II

Green Aqua Enviro Projects Pvt. Ltd.
H.No. 3-2-70-4/B/8, Sai Enclave,
Road No.12, Banjara Hills, Hyderabad -50603-1,
Telangana State, India
T: 040-23323333 | E:contact@greenaqua.in

Green Aqua®

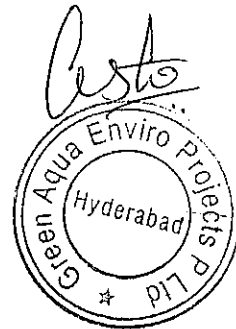
ANNEXURE - III

PRICE FORMAT

TENDER NO. NALSAR/STP/07/2020

Specification for AMC for ST Plant 150 KLD at NALSAR University of Law

Sl. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Annual Operation & Maintenance Contract of Sewage Treatment Plant having capacity 150 Cum per day, with 3 Skilled Operators covering 24 Hours (i.e., 8 Hours each shift in all days).	12 months	Month	69,900/-	8,38,800/-



AUTHORISED SIGNATORY & COMPANY SEAL

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Green Aqua®

Green Aqua Enviro Projects Pvt. Ltd,
H.No. 8-2-704/B/8, Sai Enclave,
Road No.12, Banjara Hills, Hyderabad -500034.
Telangana State, India
T: 040-23323333 | E:contact@greenaqua.in

ANNEXURE - IV

PRICE FORMAT

TENDER NO. NALSAR/STP/07/2020

Specification for AMC for ST Plant 150 KLD at NALSAR University of Law.

Sl. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Replacement of Carbon media and sand media in containers of 150 KLD capacity STP all as specified and directed at site.	LS	1 Job	36000	36000 ✓
2	Provision of iron ladder in place of old damaged with MS Angles including fabrication and applying of two coats of synthetic enamel paint over a coat of red oxide primer all as directed at site.	Kg's	50	110	5500 ✓
3	Replacement of Frontal pipeline required for PSF ACF tank as per existing dia & guage to 150 KLD capacities STP all as directed and specified at site.	Rmt	30	550	16500 ✓
4	Repairs to Sludge transfer pumps including all accessories all as specified and directed at site.	Each	02	6900	13800 ✗
5	Provision of CBD FBD for air grid including any material required all as directed at site	LS	1 Job	39000	39000 ✓
6	General Servicing to Blowers of 150 KLD capacity STP including all materials required to servicing like oil, grease, etc., all as specified and directed at site.	LS	1 Job	32000	32000 ✓



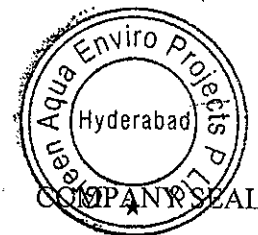
Green Aqua®

Green Aqua Enviro Projects Pvt. Ltd,
H.No. 8-2-704/B/8, Sai Enclave,
Road No.12, Banjara Hills, Hyderabad -500034.
Telangana State, India
T: 040-23323333 | E:contact@greenaqua.in

7	Design to tube settler media as per directions to 150 KLD STP all as specified and directed at site	LS	1 Job	72000	72000 ✓
8	Replacement of MBBR media to 150 KLD STP all as specified and directed at site.	Cum	06	15000	90000 ✓
9	M&L synthetic enamel paint over a coat of red oxide primer to all the equipment in STP Painting works to be required for all equipment's.	Sqm	100	200	20000 ✓
Total Amount (Rs)					324800
(Rupees Three lakhs twenty four thousand eight hundred only)					

NOTE:

- 1) Total amount shall exclude work contract tax, GST, Service tax etc.
- 2) Do not attach any other sheet to this Annexure.
- 3) THE TENDERERS ARE ADVISED TO ENSURE THAT THE PRICES AND OTHER DETAILS ARE FILLED IN CORRECTLY AND COMPLETELY IN THE ABOVE FORMAT. SUBMISSION OF INCORRECT OR INCOMPLETE INFORMATION, AND / OR SUBMISSION OF THE ABOVE FORMAT WITH ARITHMETICAL ERRORS IN COMPIATION OF THE DATA WOULD BE AT THE TENDERER'S SOLE RISK AND THE DECISION OF NALSAR IN SUCH CASES WOULD BE FINAL AND BINDING.



SIGNATURE _____

NAME SATISH . K

DESIGNATION: Director

MOBILE NO. 9246878686

construction of under ground
sump and Periphoral company wall

Office of the Executive Engineer, I & CADD
PIP Dam Division No.2, Nandimala

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Hyderabad, Has completed the following work during the financial year 2008-2009 & 2009-2010.

1.	Name of the Department	Irrigation and CADD Department
2.	Name of Work	PIP-Supply and Installation of Open Casagrande Porous tube Piezometers at Km to 0.805 of Left Flank Earth Dam D/S of Priyadarshini Jurala Project, Nandimala (V) (M) Mahabubnagar (District).
3.	Amount of Estimate with reference to sanction	OR No. 178/2008-2009, Dt: 27-08-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	LS Agmt. Number 236/2008-2009, Dt: 16-03-2009
6.	Value of Contract	Rs. 56,340/-
7.	Date of Commencement of the work	16-03-2009
8.	Date of Completion of the work as per Agreement	15-06-2009
9.	Actual date of completion of the work	20-03-2009
10.	Value of work done	10,01,340/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book No. & PAGE Number
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and installation of Open Type casagrande porous tube piezometer with following specifications : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom, plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.B.No.002/ Page No.
ii)	Supply of senigril plastic stand pipe schedule "40", 1" dia. Meter as per IS-7356 (Part - I)	90 RMT		Page No.
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	117.30 RMT		Page No.
iv)	Providing chain link mesh around the piezometer for protection	10 No's		Page No.
B	Financial	Rs.	10,01,340.00	Page No.

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.002/A/489 of Page No. 2,3,5,8 & 12. Entered in work done register Vol. No.1 page No.147.

Executive Engineer, I & CADD,
PIP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/196^{SE}, Date: 25-07-2011.

Submitted in Original to the Superintending Engineer, PIP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PIP Dam Division No. 2, Nandimala

Posted on Page no 410 of PIP Circle No.1,
Circular Register Vol. V.

For K.V.R. ENTERPRISES

Managing Partner

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Contractor Hyderabad, Has completed the following in this division during the financial year 2008-2009 & 2009-2010.

1.	Name of the Department	Irrigation and CAD Department
2.	Name of Work	PJP-Supply and Installation of Open Type Casagrande Porous tube Piezometers at Km 0.720 to 0.760 of Left Flank Earth Dam D/S & U/S at Priyadarshini Jurala Project, Nandimala (V) Atmakur (M) Mahabubnagar (District).
3.	Amount of Estimate with reference to sanction	DR No. 179/2008-2009, Dt: 27-08-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	Is Agmt. Number 237/2008-2009, Dt: 16-03-2009
6.	Value of Contract	9,56,360/-
7.	Date of Commencement of the work	16-03-2009
8.	Date of Completion of the work as per Agreement	15-06-2009
9.	Actual date of completion of the work	20-03-2009
10.	Value of work done	10,03,160/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Number & PAGE Number
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - 1) 1992 etc.	10 No's		M.B.No.DD2/A/190 Page No. 3
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - 1)	90 RMT		Page No. 3
iii)	Drilling of bore hole with augur drilling for 100mm dia meter in all type of soils only.	118 RMT		Page No. 2
iv)	Providing chain link mesh around the piezometer for protection	10 No's		Page No. 5
B	Financial	Rs.	10,03,160.00	

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.DD2/A/190 of Page No. 2 to 5. Entered in work done register Vol. No.1 page No.155.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/200th, Date:25-07-2011.

Submitted In Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

Posted on Page no. 44 of PJP Circle No.1
Gadwal Register Vol. V

For K.V.R. ENTERPRISES

Managing Partner


WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Hyderabad, has completed the following work in the division during the financial year 2008-2009 & 2009-2010.

1.	Name of the Department	Irrigation and CADD Department
2.	Name of Work	PIP-Supply and Installation of Open Casagrande Porous tube Piezometers at Km to 0.850 of Left Flank Earth Dam D/S & of Priyadarshini Jurala Project, Nandimala (V) At (M) Mahabubnagar (District).
3.	Amount of Estimate with reference to sanction	DR No. 177/2008-2009, Dt: 25-08-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	Is Agmt. Number 235/2008-2009, Dt: 02-03-2009
6.	Value of Contract	9,56,360/-
7.	Date of Commencement of the work	09-03-2009
8.	Date of Completion of the work as per Agreement	08-06-2009
9.	Actual date of completion of the work	13-03-2009
10.	Value of work done	10,01,340/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Num & PAGE Num
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.B.No.DD2/ Page No.
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	90 RMT		Page No. 5
iii)	Drilling of bore hole with augur drilling for 100mm dia meter in all type of soils only.	117.30 RMT		Page No. 4
iv)	Providing chain link mesh around the piezometer for protection	10 No's		Page No. 5
B	Financial	Rs.	10,01,340.00	


Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.DD2/A/56 of Page No. 49 to 51. Entered in work done register Vol. No.1 page No.151.


Executive Engineer, I & CADD
PIP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

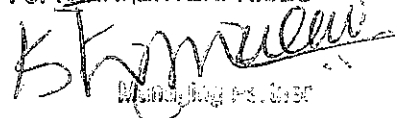
ENDT, No. DB/D4/198*, Date: 25-07-2011.

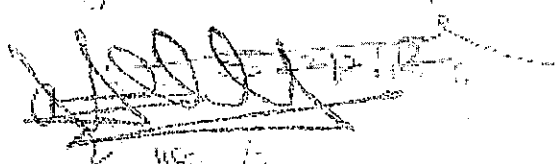
Submitted in Original to the Superintending Engineer, PIP Circle No.1 Gadwal for Counter Signature.


Executive Engineer, I & CADD
PIP Dam Division No. 2, Nandimala

Fristed in Page no-4/2 of PIP Circle No.1
Gadwal Register Vol. 2

For K.V.R. ENTERPRISES


Managing Director


Superintending Engineer

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Contractor Hyderabad. Has completed the following in the division during the financial year 2008-2009 & 2009-2010.

Sl. No.	Name of the Department	Irrigation and CAD Department
1.	Name of Work	PJP-Supply and Installation of Open Type Casagrande Porous tube Piezometers at Km 0.855 to 0.875 of Left Flank Earth Dam D/S & U/S at Priyadarshini Jurala Project, Nandimala (V) Atmakur (M) Mahabubnagar (District).
3.	Amount of Estimate with reference to sanction	DR No. 176/2008-2009, Dt: 25-08-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	Ls Agmt. Number 234/2008-2009, Dt: 09-02-2009
6.	Value of Contract	9,56,350/-
7.	Date of Commencement of the work	09-03-2009
8.	Date of Completion of the work as per Agreement	08-06-2009
9.	Actual date of completion of the work	13-03-2009
10.	Value of work done	10,01,340/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Number & PAGE Number
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.B.No.DD2/A/19 Page No. 54
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	90 RMT		Page No. 54
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	117.30 RMT		Page No. 53
iv)	Providing chain link mesh around the piezometer for protection	10 No's		Page No. 55
B	Financial	Rs.	10,01,340.00	Page No. 57

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad. as per M.B.No.DD2/A/19 of Page No. 53 to 57. Entered in work done register Vol. No. I page No. 141.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/193⁵⁵, Date: 25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

For K.V.R. ENTERPRISES

Managing Partner

Entered on Page no. 38 of PJP circle no. 1,
Gadwal Register Vol. V

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Hyderabad, has completed the following in
visited during the financial year 2008-2009 & 2009-2010.

1.	Name of the Department	Irrigation and CAD Department
2.	Name of Work	PJP Supply and Installation of Open Casagrande Porous tube Piezometers at Km to 1.490 of Left Flank Earth Dam D/S & U Priyadarshini Jurala Project, Nandimala (V) At (M) Mahabubnagar (District).
3.	Amount of Estimate with reference to sanction	DR No. 172/2008-2009, Dt: 21-08-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	LS Agmt. Number 232/2008-2009, Dt: 9-03-2009
6.	Value of Contract	9,95,620/-
7.	Date of Commencement of the work	03-03-2009
8.	Date of Completion of the work as per Agreement	08-06-2009
9.	Actual date of completion of the work	20-03-2009
10.	Value of work done	9,95,620/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book No. & PAGE No.
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 500mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.B.No.D02/A/170 Page No.
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	111 RME		Page No.
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	115.10 RMT		Page No.
iv)	Providing chain link mesh around the piezometer for protection	10 No's		Page No.
B	Financial	Rs.	9,95,620.00	Page No.

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.D02/A/170 Page No. 40 to 45. Entered in work done register Vol. No.1 page No.133.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/189^{SE}, Date: 25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

Submitted on Page no. 44 of PJP Circle No.1,
Gadwal Register Vol. 2

For K.V.R. ENTERPRISES

(Signature)
Managing Partner

(Signature)
Date: 25/7/2011

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Contractor Hyderabad, Has completed the following in this division during the financial year 2008-2009 & 2009-2010.

1.	Name of the Department	Irrigation and CAD Department
2.	Name of Work	Supply and Installation of Open Type Casagrande Porous tube Piezometers at KM 1.610 to 1.545 of Right Flank Earth Dam D/S & U/S at Ramnagadu Behind Reservoir Near Atmakur (A) Mahabubnagar (Dist).
3.	Amount of Estimate with reference to sanction	DR No. 171/2008-2009, Dt: 20-08-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	Is Agmt. Number 225/2008-2009, Dt: 17-01-2009
6.	Value of Contract	9,56,360/-
7.	Date of Commencement of the work	17-01-2009
8.	Date of Completion of the work as per Agreement	16-04-2009
9.	Actual date of completion of the work	20-02-2009
10.	Value of work done	10,01,860/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Number & PAGE Number
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.B.No.DD2/A/163 Page No. 71
ii)	Supply of semigrd plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	90 RMT		Page No. 72
iii)	Drilling of bore hole with augur drilling for 100mm dia meter in all type of soils only.	117.50 RMT		Page No. 70
iv)	Providing chain link mesh around the piezometer for protection	10 No's		Page No. 73
B	Financial	Rs.	10,01,860.00	Page No. 75

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.DD2/A/163 of Page No. 71 to 75. Entered in work done register Vol. No.1 page No.119.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/182nd, Date:25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

Pasted on Page no. 27 of PJP Circle No. 1
Gadwal Register Vol. 2

Counter Signed

For K.V.R. ENTERPRISES

K. V. R. Enterprises
Managing Partner

22/7/12
[Signature]
[Signature]

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES, Hyderabad, has completed the following in
Division during the financial year 2008-2009 & 2009-2010.

1. Name of the Department	Irrigation and CADD Department
2. Name of Work	Supply and Installation of Open Type Casagrande Perforated Piezometers at KM 1.560 to 1.610 of Flank Earth Dam D/S & U/S at Ramnagar Saka Reservoir Near Atmakur (A) Mahabubnagar (Dist)
3. Amount of Estimate with reference to sanction	DR No. 170/2008-2009, Dt: 23-08-2009
4. Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MOH No. 3218, Near Amber Bridge, Ramnagar, Hyderabad - 500 020
5. Agreement Number and date	LS Agmt. Number 224/2008-2009, Dt: 12-01-2009
6. Value of Contract	9,56,360/-
7. Date of Commencement of the work	12-01-2009
8. Date of Completion of the work as per Agreement	11-04-2009
9. Actual date of completion of the work	20-02-2009
10. Value of work done	10,01,340/-
11. Balance value of work to be done	-
12. Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Num & PAGE Num
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.B.No.DD2/A Page No.
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	90 RFT		Page No.
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	117.30 RMT		Page No.
iv)	Providing chain link mesh around the piezometer for protection	10 No's		Page No.
B	Financial	Rs.	10,01,340.00	Page No.

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES, Hyderabad, as per M.B.No.DD2/A/177 of Page No. 47 to 53. Entered in work done register Vol. No.1 page No.129.

Executive Engineer, I & CADD
PJP Dam Division No. 2, Mandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MOH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/187^{SE}, Date: 25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Mandimala

Entered in Page No. 129 of work done register,
Gadwal Register Vol. V

For K.V.R. ENTERPRISES

Managing Partner

[Signature]

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Contractor Hyderabad. Has completed the following in the division during the financial year 2008-2009 & 2009-2010.

1. Name of the Department	Irrigation and CAD Department
2. Name of Work	Supply and Installation of Open Type Casagrande Porous tube Piezometers at KM 1.025 to 1.550 of Right Flank Earth Dam D/S & U/S at Ramapadu Balancing Reservoir Near Atmakur (A) Mahabubnagar (Dist).
3. Amount of Estimate with reference to sanction	DR No. 96/2008-2009, Dt: 08-08-2008
4. Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020
5. Agreement Number and date	LS Agmt. Number 117/2008-2009, Dt: 12-12-2008
6. Value of Contract	9,56,360/-
7. Date of Commencement of the work	12-12-2008
8. Date of Completion of the work as per Agreement	11-03-2009
9. Actual date of completion of the work	20-05-2009
10. Value of work done	10,03,160/-
11. Balance value of work to be done	-
12. Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Number & PAGE Number
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.B.No.002/A/176 Page No. 1
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	90 RMT		Page No. 4
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	118 RMT		Page No. 7
iv)	Providing chain link mesh around the piezometer for protection		10 No's	Page No. 11
B	Financial	Rs.		
		8,56,360.00	1,46,800.00	

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad. as per M.B.No.002/A/176 of Page No. 2 to 11. Entered in work done register Vol. No.1 page No.157.

Executive Engineer, I & CAD,
PJP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/2011st, Date: 25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CAD,
PJP Dam Division No. 2, Nandimala

For K.V.R. ENTERPRISES

Managing Partner

Pasted on page no 45 of PJP Circle No.1,
Gadwal Register Vol. V

Counter Signed

25-7-11

25-7-11

WORK DONE CERTIFICATE

This is to certify that M/S. K.V.R. ENTERPRISES Hyderabad, has completed the following in the Division during the financial year 2008-2009 & 2009-2010.

1.	Name of the Department	Irrigation and CADD Department
2.	Name of Work	Supply and Installation of Open Type Casagrande Porous tube Piezometers at KM 1.675 to 1.625 of Plank Earth Dam D/S & U/S at Ramampadu Bal Reservoir Near Abnakur (A) Mahabubnagar (Dist)
3.	Amount of Estimate with reference to sanction	DR No. 95/2008-2009, Dt: 08-08-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3215, Near Amber Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	LS Agmt. Number 116/2008-2009, Dt: 12-12-2008
6.	Value of Contract	9,56,360/-
7.	Date of Commencement of the work	12-12-2008
8.	Date of Completion of the work as per Agreement	11-03-2009
9.	Actual date of completion of the work	20-05-2009
10.	Value of work done	10,03,160/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Num & PAGE Num
		2008-2009 Physical	2009-2010 Financial	
A	Physical (Principal Items of Work)			
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - 1) 1997 etc.	50 No's		M.B.No.002/A Page No.
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia, Meter as per IS 7356 (Part - 1)	90 RMT		Page No.
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	100 RMT	18 RMT	Page No. 18
iv)	Providing chain link mesh around the piezometer for protection		10 No's	Page No. 1
B	Financial	Rs.	8,56,360.00	1,46,800.00

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.DB2/A/377 Page No. 1 to 18. Entered in work done register Vol. No.1 page No.153.

Executive Engineer, I & CADD,
PIP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3215,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/199^{SE}, Date: 25-07-2011.

Submitted in Original to the Superintending Engineer, PIP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PIP Dam Division No. 2, Nandimala

Particulars Page No. 1 to 2 of P & CADD No. 1,
Work Done Register Vol. V

For K.V.R. ENTERPRISES

[Signature]
Managing Partner

[Signature]

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Contractor Hyderabad. Has completed the following in this division during the financial year 2008-2009 & 2009-2010.

1.	Name of the Department	Irrigation and CAD Department
2.	Name of Work	Supply and Installation of Open Type Casagrande Porous tube Piezometers at KM 1.500 to 1.400 of Right Flank Earth Dam D/S & U/S at Ramenpady Balancing Reservoir Near Atmakur (A) Mahabubnagar (Dist).
3.	Amount of Estimate with reference to sanction	DR No. 92/2008-2009, Dt: 01-08-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 321B, Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	LS Agmt. Number 101/2008-2009, Dt: 4-11-2008
6.	Value of Contract	9,56,360/-
7.	Date of Commencement of the work	04-11-2008
8.	Date of Completion of the work as per Agreement	03-02-2009
9.	Actual date of completion of the work	20-05-2009
10.	Value of work done	9,97,960/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Number & PAGE Number
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Physical	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.E.No.DD2/A/144 Page No. 39.
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	90 RMT		Page No. 40.
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	116 RMT	16 RMT	Page No. 38 & 47
iv)	Providing chain link mesh around the piezometer for protection		10 No's.	Page No. 47
B	Financial	Rs.	8,56,360.00	1,41,600.00

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad. as per M.E.No.DD2/A/144 of Page No. 38 to 47. Entered in work done register Vol. No.1 page No.139.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 321B,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/192^{SE}, Date:25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

For K.V.R. ENTERPRISES

Managing Partner

Pasted on Page no. 37 of PJP Circle No.1.

Gadwal Register Vol. V

Counter Signed

3272/11

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Contractor Hyderabad has completed the following work during the financial year 2008-2009 & 2009-2010.

1.	Name of the Department	Irrigation and CAD Department
2.	Name of Work	Supply and Installation of Open Type Casagrande Porous tube Piezometers at KM 1.600 to 1.500 of Flank Earth Dam D/S & U/S at Ramampadu on Reservoir Near Atmakur (A) Mahabubnagar (Dist)
3.	Amount of Estimate with reference to sanction	DR No. 91/2008-2009, Dt: 01-08-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	LS Agmt. Number 100/2008-2009, Dt: 4-11-2008
6.	Value of Contract	9,56,360/-
7.	Date of Commencement of the work	04-11-2008
8.	Date of Completion of the work as per Agreement	03-02-2009
9.	Actual date of completion of the work	20-05-2009
10.	Value of work done	10,02,640/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Num & PAGE Num
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.D.No.1002/ Page No.
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	90 RMT		Page No.
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	117.80 RMT		Page No.
iv)	Providing chain link mesh around the piezometer for protection		10 No's	Page No.
B	Financial (8,56,360 + 1,46,280)	Rs.	10,02,640.00	Page No. 47

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.DD2/A/230 Page No. 39 to 42. Entered in work done register Vol. No.1 page No.125.

Executive Engineer, I & CAD,
PJP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DD/D4/185^{EE}, Date: 25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Guntur for Counter Signature.

Executive Engineer, I & CAD,
PJP Dam Division No. 2, Nandimala

Noted on Page no. 30 of PJP Circle No.1
Work Done Register Vol. No.1

For K.V.R. ENTERPRISES

Managing Partner

[Signature]

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Contractor Hyderabad, has completed the following in this division during the financial year 2008-2009 & 2009-2010.

1.	Name of the Department	Irrigation and CAD Department
2.	Name of Work	Supply and Installation of Open Type Casagrande Porous tube Piezometers at KM 1.575 to 1.475 of Right Flank Earth Dam D/S & U/S at Ramampadu Balancing Reservoir Near Abmakur (A) Mahabubnagar (Dist).
3.	Amount of Estimate with reference to sanction	DR No. 72/2008-2009, Dt: 31-07-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	LS Agmt. Number 70/2008-2009, Dt: 26-09-2008
6.	Value of Contract	9,56,360/-
7.	Date of Commencement of the work	26-09-2008
8.	Date of Completion of the work as per Agreement	25-12-2008
9.	Actual date of completion of the work	06-11-2008
10.	Value of work done	10,03,160/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book Number & PAGE Number
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - 1) 1992 etc.	10 No's		M.B.No.DD2/A/345 Page No. 2
ii)	Supply of sengrid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - 1)	90 RMT		Page No. 3
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	118 RMT		Page No. 1 & 10
iv)	Providing chain link mesh around the piezometer, for protection	10 No's		Page No. 10
B	Financial	Rs. 8,56,360.00	1,46,800.00	Page No. 6 & 13

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.DD2/A/345 of Page No. 1,2,3,6,9,10, 13,17. Entered in work done register Vol. No.1 page No.145.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimalla

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/195th, Date:25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimalla

Pasted on Page No. 46 of PJP circle No. 1,
Gadwal register Vol. V
Counter Signed

For K.V.R. ENTERPRISES

Managing Partner

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES, Hyderabad, has completed the following work during the financial year 2008-2009 & 2009-2010.

1. Name of the Department	Irrigation and CADD Department
2. Name of Work	Supply and Installation of Open Type Casagrande Porous tube Piezometers at KM 1.475 to 1.425 Flank Earth Dam D/S & U/S at Ramampadu Reservoir Near Atmakur (A) Mahabubnagar (Dist)
3. Amount of Estimate with reference to sanction	DR No. 71/2008-2009, Dt: 31-07-2008
4. Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Bridge, Ramnagar, Hyderabad - 500 020
5. Agreement Number and date	LS Agmt. Number. 71/2008-2009, Dt: 23-09-2008
6. Value of Contract	9,56,360/-
7. Date of Commencement of the work	25-09-2008
8. Date of Completion of the work as per Agreement	25-12-2008
9. Actual date of completion of the work	05-11-2008
10. Value of work done	10,03,160/-
11. Balance value of work to be done	-
12. Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS		M Book No & PAGE No
		2008-2009	2009-2010	
A	Physical (Principal Items of Work)	Physical	Financial	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's		M.B.No.DD2 Page No.
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	50 RMT		Page No.
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	110 RMT		Page No.
iv)	Providing chain link mesh around the piezometer for protection		10 No's	Page No.
B	Financial	Rs. 8,56,360.00	1,46,800.00	

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.DD2/A/333 Page No. 1,2,3 & 10. Entered in work done register Vol. No.1 page No.149.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/197st, Date:25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimala

Entered on Page No. 41 of PJP Circle No. 1,
Gadwal & Vol. No. 1

For K.V.R. ENTERPRISES

Managing Partner

02

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Contractor Hyderabad. Has completed the following in this division during the financial year 2008-2009.

1.	Name of the Department	Irrigation and CAD Department
2.	Name of Work	PIP-Supply and Installation of Open Type Casagrande Porous tube Piezometers at Km 1.250 to 1.200 of Left Flank Earth Dam D/S & U/S at Priyadarshini Jurala Project, Nandimalla (V) Atmakur (M) Mahabubnagar (District).
3.	Amount of Estimate with reference to sanction	DR No. 9/2008-2009, Dt: 02-04-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	Ls Agmt. Number. 5/2008-2009, Dt: 26-05-2008
6.	Value of Contract	9,56,360/-
7.	Date of Commencement of the work	26-05-2008
8.	Date of Completion of the work as per Agreement	25-08-2008
9.	Actual date of completion of the work	11-08-2008
10.	Value of work done	10,03,160/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS 2008-2009	M Book Number & PAGE Number
A	Physical (Principal Items of Work)	Physical	
i)	Supply and Installation of Open Type casagrande porous tube piezometer with following specification : Length- 600mm, OD-38mm, Wall thickness = 6mm, complete with 3 external tie rods, brass top end bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's	M.B.No.DD2/A/19 Page No. 34
ii)	Supply of semigrd plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	90 RMT	Page No. 35
iii)	Drilling of bore hole with auger drilling for 100mm dia meter in all type of soils only.	118 RMT	Page No. 33, 43
iv)	Providing chain link mesh around the piezometer for protection	10 No's	Page No. 35
B	Financial	Rs. 10,03,160.00	

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad. as per M.B.No.DD2/A/19 of Page No. 33, 34, 35, 36, 38, 42, 43, 45, 49. Entered in work done register Vol. No.1 page No.143.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimalla

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT, No. DB/D4/194th, Date:25-07-2011.

Submitted in Original to the Superintending Engineer, PJP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CADD,
PJP Dam Division No. 2, Nandimalla

Posted on Page No. 39 of PJP Circle No.1,
Gadwal Register Vol. V

Counter Signed

For K.V.R. ENTERPRISES

Managing Partner

522/2/12
On 11/08/2008
102/11/08/2008
102/11/08/2008

WORK DONE CERTIFICATE

This is to certify that Sri. M/S. K.V.R. ENTERPRISES Contractor Hyderabad, has completed the following in
division during the financial year 2008-2009.

1.	Name of the Department	Irrigation and CAD Department
2.	Name of Work	PIP-Supply and Installation of Open Casagrande Porous tube Piezometers at Km to 1.250 of Left Flank Earth Dam D/S & U Priyadarshini Jurala Project, Mandimala (V) At (M) Mahabubnagar (District).
3.	Amount of Estimate with reference to sanction	DR No. 8/2008-2009, Dt: 02-04-2008
4.	Name of the Contractor with Address	M/S. K.V.R. ENTERPRISES Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218, Near Amber Bridge, Ramnagar, Hyderabad - 500 020
5.	Agreement Number and date	LS Agent, Number: 4/2008-2009, Dt: 26-05-2008
6.	Value of Contract	9,56,360/-
7.	Date of Commencement of the work	28-05-2008
8.	Date of Completion of the work as per Agreement	28-08-2008
9.	Actual date of completion of the work	18-07-2008
10.	Value of work done	18,03,160/-
11.	Balance value of work to be done	-
12.	Physical and Financial Progress	As detailed below.

S.No.	DESCRIPTION OF ITEM	FINANCIAL YEAR WISE PROGRESS 2008-2009	M Book No & PAGE No.
A	Physical (Principal Items of Work)	Physical	
i)	Supply and Installation of Open type casagrande porous tube piezometer with following specification: Length- 600mm, CO-38mm, Wall thickness - 6mm, complete with 3 external tie rods, brass top and bottom plug as per IS 7356 (Part - I) 1992 etc.	10 No's	M.B.No.D02/A Page No.
ii)	Supply of semirigid plastic stand pipe schedule "40", 1" dia. Meter as per IS 7356 (Part - I)	90 RMT	Page No.
iii)	Drilling of bore hole with augur drilling for 100mm dia meter in all type of soils only.	116 RMT	Page No.
iv)	Providing chain link mesh around the piezometer for protection	10 No's	Page No.
B	Financial	Rs. 10,03,160.00	Page No.

Certified that the above work certificate issued Sri. M/S. K.V.R. ENTERPRISES Hyderabad, as per M.B.No.D02/A/177 of Page No. 36 to 41. Entered in work done register Vol. No.1 page No.131.

Executive Engineer, I & CAD,
PIP Dam Division No. 2, Nandimala

To
M/S. K.V.R. ENTERPRISES
Regd. Off: 1-9-252/9/94/A/1, MCH No. 3218,
Near Amber Nagar Bridge, Ramnagar, Hyderabad - 500 020

ENDT. No. DB/D4/186^{SE}, Date:26-07-2011.

Submitted in Original to the Superintending Engineer, PIP Circle No.1 Gadwal for Counter Signature.

Executive Engineer, I & CAD,
PIP Dam Division No. 2, Nandimala

Filed in Page No. 22 of work done register Vol. No.1

For K.V.R. ENTER:

Managing Partner

[Signature]

Technical Specifications

Name of work: **Supply & Installation of 4000 LPH Capacity Reverse Osmosis Plant** at NALSAR University of Law, Shameerpet.

1. INTRODUCTION

The proposed Reverse Osmosis System has been designed to produce permeate - 5000 LPH from Raw Water with characteristics mentioned in further sections below.

The proposed Reverse Osmosis System consists of following constituents:

Raw Water tank (Client Scope) → Filter Feed Pump → Dual Media Filter → Activated Carbon Filter → Antiscalant Dosing System → Micron Cartridge Filter → High Pressure Pump → RO Block → UV System → Treated Water Tank (Client scope)

The Reverse Osmosis system works on the Principle of the natural phenomenon of OSMOSIS PROCESS. Since OSMOSIS PROCESS is reversed by external pressure the process is termed as REVERSE OSMOSIS. Reverse Osmosis is a water purification process in which water is forced by pressure through a semi-permeable membrane.

2. DESIGN BASIS & TREATED WATER QUALITY

RAW WATER ANALYSIS: (Assumed)

Sl. No.	PARAMETER	UNIT S	RESULT
1.	Odour	-	Agreeable
2.	Taste	-	Agreeable
3.	Turbidity	NTU	0.2
4.	pH value	-	7.4
5.	Total Dissolved Solids	mg/l	656
6.	Total Hardness as CaCO ₃	mg/l	284
7.	Calcium as Ca ⁺⁺	mg/l	44
8.	Magnesium as Mg ⁺⁺	mg/l	06
9.	Total Alkalinity as CaCO ₃	mg/l	64
10.	Chloride as Cl ⁻	mg/l	52
11.	Total Iron as Fe	mg/l	0.06
12.	Nitrate as NO ₃ ⁻	mg/l	06
13.	Sulphate as SO ₄ ⁻	mg/l	15
14.	Fluoride as F ⁻	mg/l	0.42

Design Basis Reverse Osmosis system

Feed flow rate	:	6.6 m ³ /hr.
Permeate flow rate	:	4 m ³ /hr.
Reject Line	:	2.6 m ³ /hr.
Blend Line	:	100 lit
System Recovery	:	60 %
Operation	:	Semi –Automatic
Source	:	Borewell
End Application	:	Drinking

Limiting Conditions for RO Feed Water

Temperature	:	Max. 40°C
Turbidity	:	< 2 NTU
Iron	:	< 0.3 ppm
Fluoride	:	< 1 ppm
SDI	:	< 3
Free Chlorine	:	Nil
Oil & Grease	:	Nil

Treated water Quality at the Outlet of RO System:

Sr. No.	Parameters	Value	Unit
1	PH	6.5 – 7.5	
2	Odour	Odorless	
3	Color	Colorless	
4	TDS	100-150	ppm

The above said quality shall be achieved provided:

- The feed quality is same as per design values provided above.
- In case of change in feed quality or source, end quality may have variation or changes.
- The operation of system is strictly done as per The manufacturer's instructions. Operation Manual, guidelines and instructions.
- All log sheets/daily reports are sent to us for monitoring and suggest suitable actions for better and smooth operation of the system, each month.
- Pure chemicals (if any), original spares and consumable specified by us only are used in system.
- Parameters not shown in raw water analysis are assumed as zero.

Any abnormal behavior in system shall be notified to our service team within 24 hrs.

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3. PROCESS DESCRIPTION

Dual Media Filter (DMF):

The raw water will be passed through Dual Media filter for removal of suspended solids. The media provided for the same is sand and anthracite. The filter will be backwashed by indication of increase pressure drop and / once per day.

Activated Carbon Filter (ACF):

Water from pressure sand filter is passed through the activated carbon filter where all the color and odor get removed.

Antiscalant Dosing System :

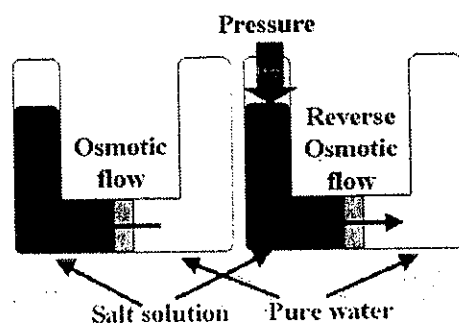
The anti-scalant chemical is added online to protect the membrane from scaling/fouling.

Micron cartridge Filter:

The raw water is passed through Micron Cartridge Filter. The pore size of cartridges is 5 μm .

RO System:

Reverse Osmosis (RO) is the tightest possible membrane process in liquid/liquid separation. Water is in principle the only material passing through the membrane; essentially all dissolved and suspended material is rejected. Osmosis separates impurities from water by passing it through a semi-permeable membrane. The semi-permeable membrane allows only very small atoms and groups of atoms (such as water molecules, small organic molecules and gases) to pass through it.



Advanced reverse osmosis technology uses "cross flow" that allows a partially permeable membrane to clean itself continually. As some of the fluid passes through the membrane, the rest continues downstream, sweeping the rejected species away from it. The process requires a pump to push the fluid through the membrane. The higher the pressure, the larger

the driving forces



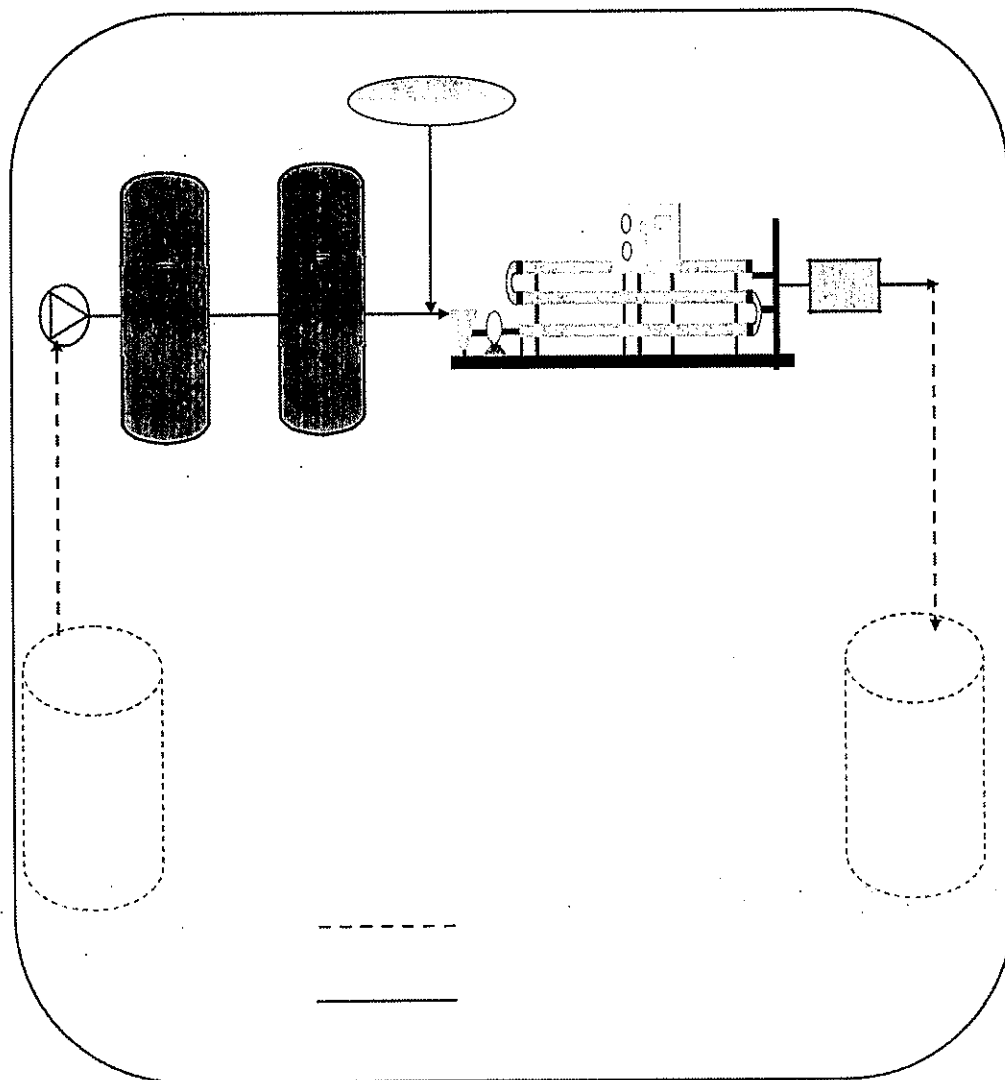
Authorised Signatory

As concentration of the fluid being rejected increases, so does the driving force? Reverse osmosis is used to reject bacteria, salts, sugars, proteins, particles, dyes, and other constituents. Separation of ions with reverse osmosis is aided by charged particles. This means that dissolved ions that carry a charge, such as salts, are more likely to be rejected by the membrane. The larger the charge and the particle; the more likely it will be rejected.

UV system:

Ultraviolet energy causes permanent inactivation of micro-organisms by disturbing DNA so that they are no longer able to maintain metabolism or reproduce. All bacteria, spores, viruses and protozoa are permanently inactivated by UV.

4. SCHEMATIC DIAGRAM



18
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5. SCOPE OF SUPPLY WITH TECHNICAL SPECIFICATIONS

	RO System Capacity (LPH)	4000
1.	Raw Water Tank	Client Scope (Above Ground)
2.	Filter Feed Pump	Flooded Suction
	Quantity	1 No.
	Type	Horizontal Monoblock
	Flow	6600 LPH
	Head	30 mwc
	MOC	SS 304
	Electric Supply	3 Phase, 415 V/50 Hz
3.	Dual Media Filter	
	Quantity	1 No.
	Operating Capacity	6600 LPH
	Size	30" x 72"
	MOC of Vessel	FRP
	Media	Anthracite + Support Bed.
	Type of valve	Manual Multiport (Side Mounted)
	Frontal Piping	UPVC Sch. 40
4.	Activated Carbon Filter	
	Quantity	1 No.
	Operating Capacity	6600 LPH
	Size	30" x 72"
	MOC of Vessel	FRP
	Media	Activated Carbon + Support Bed.
	Type of valve	Manual Multiport (Side Mounted)
	Frontal Piping	UPVC Sch. 40
5.	Antiscalant Dosing System	
	Quantity	1 No.
	Type	Electronic Diaphragm

For Green Aqua Enviro P... Ltd

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10/5/18

[Signature]

	Capacity Of Dosing Pump	0-3 LPH
	MOC Of Pump	PP
	Operating Pressure	2.5 kg/cm ²
	Dosing Tank	
	Quantity	1 No.
	MOC Of Tank	HDPE
	Capacity Of Dosing Tanks	100 Lit.
6.	Micron Cartridge Filter	
	Quantity	1 No.
	Operating Capacity	6600 LPH
	MOC of Housing	UPVC
	MOC Of Cartridge	PP
	Micron Rating	5 Micron
7.	High Pressure Pump	
	Quantity	1 No.
	Capacity	8300 LPH
	Head	140 mwc
	Type	Vertical Centrifugal Multistage
	MOC	SS 304
	Electric Supply	3 Phase/415V/50 Hz
8.	Pressure Vessel	
	Quantity	1 Nos.
	MOC	FRP
	Diameter	8"
	Model	3 Element Long
9.	Membranes	
	Quantity	4Nos.
	Type	TFC Polyamide
	Size	8"
10.	Instrumentation	
	Pressure gauges	
	Range	0-7 kg/cm ²

For Green Aqua Enviro Projects Pvt. Ltd.

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16/5/18



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	Quantity	1 set
	Range	0-21 kg/cm ²
	Quantity	02 Nos.
	Location	HPP Discharge, RO Reject
	Rotameter	
	Quantity	04 Nos.
	Location	RO Feed, Permeate & Reject, Blend Line
	Pressure switches	
	Low Pressure	
	Quantity	01 No.
	Range	0 – 5 kg/cm ²
	Location	HPP Suction
	High Pressure	
	Quantity	01 No.
	Range	5 – 25 kg/cm ²
	Location	HPP Discharge
	Conductivity Meter(Inbuilt in panel)	
	Quantity	01 No.
	Type	Online
	Range	0 – 300 µSiemens/cm
	Location	RO Permeate Line
	Level Switch	
	Quantity	02 Nos.
	Location	Raw Water Tank & Product Water Tank
	Auto Flushing System_ Reject Line	
	Quantity	01 No.
	Type	Solenoid Valve
	MOC	SS 304
11.	Electrical Control Panel	
	Quantity	01 No.
	Type	Microprocessor Based
	Cabling	1 Set
12.	ICPW	
	Quantity	01 Lot.
	MOC	
	Low Pressure / High Pressure	UPVC Sch. 40
		Suction flange of feed pump to inlet flange of treated water tank (Max distance 3m)
13.	Product water Tank (client scope.)	
	Quantity	1 No.

6. TERMINATIONS POINTS / BATTERY LIMITS

SCHEDULE OF BATTERY LIMITS / TERMINATION POINTS

Raw Water	At the inlet flange of Filter Feed Pump (Max. 3 m away)
Treated Water	At the outlet flange of UV system. (Max. 3 m away)
Electricity	Control Panel for RO Unit by Contractor & incomer cabling to our panel is to be provided by Client.
Drain	Drain at outlet of DMF/ACF/RO on Skid
Piping	ICPW is as per the termination points above

Raw water Tank and Treated water tank are assumed at distance of 3m from RO plant.

7. SCOPE OF WORK

- Design Engineering
 - Design & engineering.
 - Process design.
 - P&ID.
 - Equipment layout with foundation details
- Supervision of Erection & Commissioning

8. MAKE LIST

Sr. No.	Items	Make
1.	Horizontal Centrifugal Pumps-CI	CRI/KBL / Equ.
2.	Vertical Centrifugal Multistage Pumps	CNP/CRI / Equ.
3.	FRP Vessels	Aventura / Equ.
4.	Pressure Gauges	Baumer / Equ.
5.	Pressure Switch	Aster / Equ.
6.	Rota meter	Aster / Equ.
7.	Dosing Pumps	E dose / Equ.
8.	Tanks	Reno / Equ.
9.	UV System	Alpha UV / Equ.
10.	RO membranes	GE/LG/ Equ.
11.	Pressure Tubes	UKL / Equivalent
12.	Cartridge Filter	Process Engineer / Equ.
13.	Multiport Valve	Initiative / Equ.
14.	Conductivity Meter	Aster / Equ.
15.	Level Switch	Aster / Equ.
16.	Solenoid Valve	Aira / Equ.
17.	UPVC	Astral/Equivalent
18.	Valves & Fittings	EFL Approved Vendor
19.	Control Panel	EFL Approved Vendor
20.	Anthracite/Activated Carbon & Supporting pebbles	EFL Approved Vendor

For Green Aqua Enviro Projects Pvt. Ltd

Authorised Signatory

10/5/19

9. SCHEDULE OF EXCLUSIONS

- Raw water Tank and Product water Tank
- Approach to site & storage for equipments during erection work.
- All piping and plumbing beyond termination points.
- Continuous power supply with grounding (earth connection) to Contractor System panel.
- Power / Lighting / Water at the site of work on 24 hrs basis during plant installation.
- Lighting & ventilation in Plant area.
- Backwash water/ Rinsing Water disposal pipeline beyond Plant area and its disposal.
- Laboratory Equipment & room.
- NOC from pollution control board at all levels and all other Statutory Clearance and sanctions required for the implementation of the project.
- All civil & structural designing and construction works (RCC Works) including waterproofing, plaster, snowcap, Grouting, Structure duly tested for leak proofing, Equipment room flooring etc.
- Lubricants, oils, grease including the first charge should be supplied by client.
- Chemicals and consumables at the time of commissioning and operation.
- Final Painting.
- Cable Trays, Conduits, tray support beyond termination points etc.
- Any other services/supply not clearly mentioned in our scope of supply.
- All the erection/ piping/ structural/ electrical works to be carried out at site.
- Unloading/ shifting of supplied material.
- Third Party Inspection.

(Write can provide Yes or No)

Sl. No	Description of the item	Can Provide (Yes/ No)
1	Supply & Installation of 4000 LPH Capacity Reverse Osmosis Plant – 1 Unit	

Note:-

1. Bidders are advised to visit the premises of the University before submitting the bid to have an idea about the work.
2. Finalization of design, fabrication and fixing partition will be at sole discretion of the competent authority of the University. In case of any doubt; the decision of competent authority will be final and binding to the bidders.

NALSAR University of Law Justice City Shameerpet Hyderabad

For Green Aqua Enviro Pvt. Ltd.

Authorized Signatory

16/5/18

Schedule for 4000 LPH Capacity Reverse Osmosis Plant.

Name of Work: Supply & Installation of 4000 LPH Capacity Reverse Osmosis Plant at
NALSAR University of Law, shameerpet.

Serial Number	Equipment	Description	Pieces	Rate	Amount
1.	Reverse Osmosis Plant	4000 LPH Capacity Reverse Osmosis Plant	One Unit complete		
Total Amount					

For Green Aqua Enviro Projects Pvt. Ltd



NALSAR University of Law Justice City Shameerpet Hyderabad

Authorised Signatory

16/5/18

(Signature of Tenderer)
with seal



Green Aqua®

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4/11/15

Green Aqua Enviro Projects Pvt. Ltd,
H No. 8-2-704/B/8, Sai Enclave,
Road no. 12, Banjara Hills, Hyderabad -500034,
Telangana State, India
T: 040-233 23333 | E:contact@greenaqua.in

PRICE BID

Schedule for 4000 LPH Capacity Reverse Osmosis Plant.

Name of Work: Supply & Installation of 4000 LPH Capacity Reverse Osmosis Plant at NALSAR University of Law, Shameerpet.

Reference: TENDER notice dated NALSAR / Engg. Dept /2018-19 dated:25/04/2018

Serial Number	Equipment	Description	Pieces	Rate	Amount
1.	Reverse Osmosis Plant	4000 LPH Capacity Reverse Osmosis Plant	One Unit complete	5,04,760.00	5,04,760.00
GST@18%					90,857.00
Total Amount					5,95,617.00

For Green Aqua Enviro Projects Pvt.Ltd

For Green Aqua Enviro Projects Pvt. Ltd

(Signature with seal)

Authorised Signatory



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Green Aqua Enviro Projects Pvt. Ltd,
H No. 8-2-704/B/8, Sai Enclave,
Road no. 12, Banjara Hills, Hyderabad -500034,
Telangana State, India
T: 040-233 23333 | E:contact@greenaqua.in

Submission of original demand drafts for EMD and application Fee
Quotation for "Supply & Installation of 4000 LPH Capacity Reverse Osmosis Plant"

To,
The Registrar
NALSAR University of Law, Justice City,
Shameerpet, Medchal District

Date: 07.05.2018

Submission of original demand drafts for EMD and application Fee
Quotation for "Supply & Installation of 4000 LPH Capacity Reverse Osmosis Plant"

Dear Sir,

With reference to your TENDER notice dated NALSAR / Engg. Dept /2018-19 dated:25/04/2018, I have examined the TENDER document and understood its contents. I hereby submit my Bid for "Supply & Installation of 4000 LPH Capacity Reverse Osmosis Plant" at NALSAR University of Law, Justice City, Shameerpet, Medchal District.

We here with enclosing the **original demand** draft drafts dran in favour of the registrar, Nalsar university of law, payable at Hyderabad towards application fee Rs.1000/- and Rs. 10000/- towards EMD. Details are as following

1. Demand draft. No. **522786**, Dt. 07.05.2018 ICICI bank for Rs. 1000/- towards application fee
2. Demand draft. No. **522785**, Dt. 07.05.2018 ICICI bank for Rs. 10000/- towards EMD.

Yours faithfully

For Green Aqua Enviro Projects Pvt Ltd

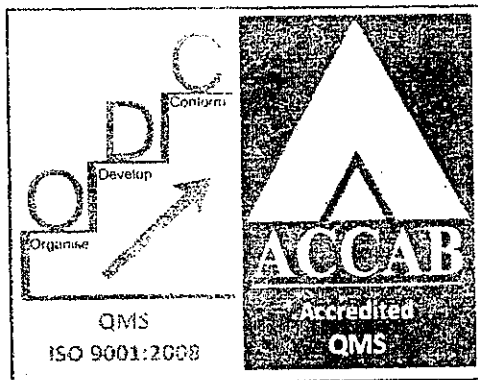
Authorised Signatory

Enclosures:

1. DD. No. 522786, Dt. 07.05.2018 ICICI bank for Rs. 1000/- towards application fee
2. DD. No. 522785, Dt. 07.05.2018 ICICI bank for Rs. 10000/- towards EMD.

ODC Standards Certifications

Certificate of Registration



The ODC Standards Certifications hereby certifies that:

Green Aqua Enviro Projects Pvt. Ltd.,

H.No.8-2-704/b/8, Plot No.12, Road No.12, Sai Enclave, Banjara Hills,
Hyderabad -500 034, R.R.Dist, Telangana, India.

has been found to conform to the Quality Management System Standard:

ISO 9001:2008

with a scope of:

**Design, Manufacture, Sales, Supply & Service of Water
& Waste Water Treatment Plants.**

"Further clarifications regarding the scope of the certificate and the applicability of the standard requirements may be obtained by consulting the organisation." "This is an accredited certificate sanctioned for issue by ACCREDITATION COMMISSION FOR CONFORMITY ASSESSMENT BODIES (ACCAB) in accordance with the requirements of ISIRI:FC-701:2011. The validity of this certificate can be verified by checking the Directory of Accredited Organizations maintained at the ACCAB website: www.accab.org."

Certificate Number : 142008117

Date of Initial Registration : 13/08/2014

Registration Validity : 10/08/2017

Recertification Date : 10/08/2017

Controller of Certifications

www.odccert.org



आयकर विभाग

INCOME TAX DEPARTMENT

भारत सरकार

GOVT. OF INDIA

GREEN AQUA ENVIRO PROJECTS
PRIVATE LIMITED

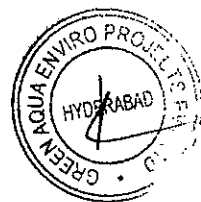
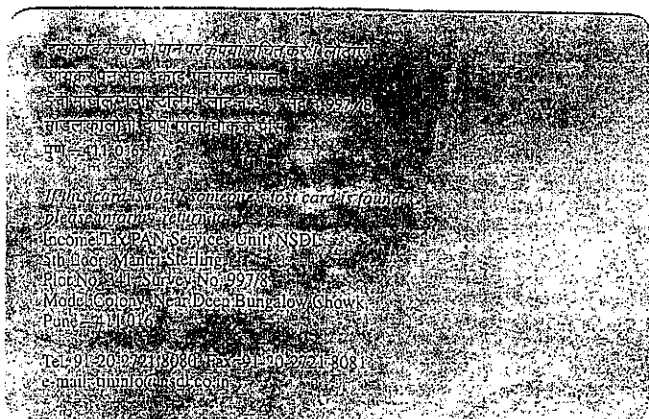


11/08/2014

Permanent Account Number

AAECG6937L

26082014



Tax Invoice

(ORIGINAL FOR RECIPIENT)



Green Aqua Enviro Projects Pvt Ltd
 204, Sahiti Sri Vidya Petals,
 Street No : 2 ; Pathrika Nagar,
 Hitech City, Madhapur,
 Hyderabad-500081
 GSTIN/UIN: 36AAF6937L1Z3
 State Name : Telangana, Code : 36
 E-Mail : contact@greenaqua.in

Consignee

NALSAR UNIVERSITY OF LAW

Justice City, Shameerpet,
 Medchal District-500101
 Hyderabad.

GSTIN/UIN : 36AAALN0016D1ZP

State Name : Telangana, Code : 36

Buyer (if other than consignee)

NALSAR UNIVERSITY OF LAW

Justice City, Shameerpet,
 Medchal District-500101
 Hyderabad.

GSTIN/UIN : 36AAALN0016D1ZP

State Name : Telangana, Code : 36

Invoice No.

397

Delivery Note

Dated

21-Nov-2022

Mode/Terms of Payment

Supplier's Ref.

Other Reference(s)

Buyer's Order No.

Dated

AMC/NALSAR/2020-21**27-Jan-2021**

Despatch Document No.

Delivery Note Date

Despatched through

Destination

Terms of Delivery

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	STP Operation and Maintaining Charges For the month of October'22 ✓ From 01.10.2022 to 31.10.2022	999411	1.00 NOS	69,900.00	NOS	69,900.00 ✓
	Output CGST 9%			9 %		6,291.00 ✓
	Output SGST 9%			9 %		6,291.00 ✓

Total

1.00 NOS

Rs 82,482.00 ✓

Amount Chargeable (in words)

E. & O.E

INR Eighty Two Thousand Four Hundred Eighty Two Only

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
999411	69,900.00	9%	6,291.00	9%	6,291.00	12,582.00
Total	69,900.00		6,291.00		6,291.00	12,582.00

Tax Amount (in words)

INR Twelve Thousand Five Hundred Eighty Two Only

Company's PAN

: AAF6937L

Declaration

We declare that this invoice shows the actual price of the
 goods described and that all particulars are true and correct.

Company's Bank Details

Bank Name : ICICI Bank A/c- OD

A/c No. : 000805015036

Branch & IFS Code : Khairatabad & ICIC0000008

for Green Aqua Enviro Projects Pvt Ltd

Authorised Signatory

This is a Computer Generated Invoice



NALSAR University of Law, Hyderabad

'Justice City', Shameerpet, Medchal District - 500 101, Telangana, India.

Tel : +91-40-23498104 / 23498115 Fax : +91-40-23498386

Mobile : +91-99486 60916

E-mail : registrar@nalsar.ac.in, balakista@gmail.com

Website : www.nalsar.ac.in

Prof. (Dr.) V Balakista Reddy

LL.M., M.Phil., Ph.D. (JNU)

Professor of Law & Registrar

WORK ORDER

July 20, 2021

WO.No. 180/ Enggdept/2021-22/05 /Medical

To,
M/s. GJ Multiclave (India) Pvt Ltd,
7-1-47/1/A, D.K. Road,
Ameerpet, Hyderabad,
TS- 500016,
Ph no. 040-23756925

Dear Sir.

Sub: Safe disposal of **Bio Medical Waste** from NALSAR University Campus,
Shameerpet – Reg.

Ref: Your offer letter dated: 14/07/2021.

Auth: Approved by the Hon'ble Vice-Chancellor dated: 15/07/2021

With reference to your offer letter dated: 14/07/2021 for disposal of Bio Medical waste from the campus is awarded at the rate of Rs. 2500/- + GST 18% with terms and Conditions is as under:-

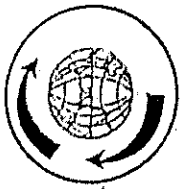
1. Disposal charges will only release within 7 working days on submission of Original invoice to the University Medical Officer.
2. Should ensure that the Bio Medical waste is handling in sealed cover coded bags and depute skilled manpower to collect bio waste from University Medical Centre thrice in a week compulsory.



REGISTRAR

Copy to:-

- 1) University Medical officer- you are advised to monitor regularly
- 2) Account section- for releasing payments on receiving of original invoice duly recommended by the University Medical Officer.



GJ Multiclave (India) Pvt. Ltd.

7-1-47/1/A, D.K. Road, Ameerpet, Hyderabad - 500 016.

Ph : 23756925, 23756926. E-mail : service@gjmulticlave.com

Web Site : www.gjmulticlave.com

Service Certificate


This is to certify that M/s. HEALTH CENTRE - NALSAR UNIVERSITY OF LAW, JUSTICE CITY, SHAMEERPET,
HYDERABAD - 78.

Hospital / Nursing Home / Diagnostic is a member of **GJ Multiclave (India) Pvt. Ltd.**
bearing Registration No. GJ/ D / 765 GJ Multiclave is providing bio-medical waste
management service to the institution from 01st JANUARY ' 2022 for a total
bed-strength of - NIL - Beds

This certificate is valid upto 31st DECEMBER ' 2022


DIRECTOR




MANAGING DIRECTOR



తెలంగాణ తెలంగాణ TELANGANA

464809

SI. No. 12842 Date: 16th November, 2018
 Sold to: M.A. MUSEEB QUADRI S/o, SULTAN QUADRI, Hyd.
 For Whom: Z ENVIRO INDUSTRIES PVT. LTD. Hyd.

ZAMEER

LICENSED STAMP VENDOR

L.No.15-14-006/06, R.No.15-14-014/2018,
 H.No.1-5,KURMALGUDA(V) SAROORNAGAR(M)
 R.R. DISTRICT - 069, Cell: 9396335052

Memorandum of Understanding (MoU)

between

NALSAR University of Law

and

Z Enviro Industries Private Limited

(Authorized dismantlers/re-cyclers as per the authorization issued by the
 State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs)
 under e-waste management rules, 2016 (as on 4-11-2022))

NALSAR University of Law, Hyderabad (herein after referred to as NALSAR) was established by Act No. 34 of 1998 to provide comprehensive legal education and to promote quality research in the discipline of law and allied subjects. From its inception, the University is committed to ensure highest quality in imparting legal education. The



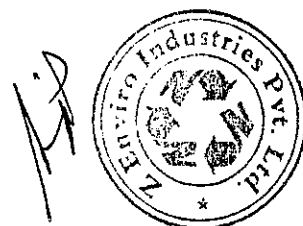
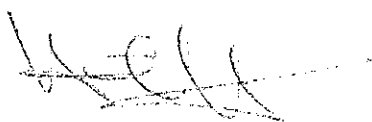
University aims at producing professionally competent, technically sound and socially relevant lawyers. Social justice through legal education has been the primary goal of the University. In recognition of its academic standards National Assessment and Accreditation Council (NAAC) awarded it 'A' grade (A++ as per new grading system) with a high score of 3.60 out of 4.00. University offers diploma, undergraduate, postgraduate and doctoral degree programs in law and allied areas. UGC too has categorised NALSAR as Category – I University.

And

M/s.Z Enviro Industries Private Limited is one of the largest electronics recycler in India and works closely with some of the largest corporates companies in the world as there e-waste recycling arm. With recycling capacity of 30,000+ tonnes annually, Z Enviro Industries Pvt. Ltd. provides complete end life management of electronic equipment's, providing one stop cost effective solution to our clients. Our services include segregation, inventorisation, data destruction, collection and destruction of electronic equipment's. Z Enviro Industries Pvt is fully verified to ISO 19001, ISO 14001 & ISO 45001 environment Management standard.

Has agreed to conclude the following Memorandum and Understanding (MOU) with the following objectives

1. Z Enviro Industries Pvt is hereby granted the authorization as a Dismantler, Refurbisher and Recycler for collection, storage, dismantling, refurbishing and recycling of E-waste in the premise of the NALSAR Campus.



2. Commercials shall be as per the rates fixed by the Telangana State Pollution Control Board.
3. Duration of the MOU is for one year from the date of its signature by the parties

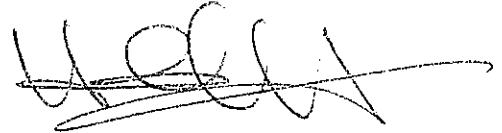
Signed on behalf of
Z Enviro Industries Private Limited



Mohammed Abdul Mujeeb Qadri
Director



Signed on behalf of
NALSAR University of Law



Prof. V. Balakista Reddy
Vice Chancellor (I/c)

Place: Hyderabad

Date: 8/10/2022

(7.1.3 + 7.1.6)

4.0 WASTE MANAGEMENT

Waste management is vital for maintaining eco-friendly campus. Its collection, management, treatment is a big challenge. In the University, different types of waste are generated, as below:

- Solid organic waste from dining hall, kitchen
- Green waste from gardens, plantations and lawns
- E-waste from Computer Laboratories and Offices
- Paper waste from Library, Examination Hall
- Bio-medical waste from Clinic

The different types of solid waste generated in the campus, their particulars such as description of waste, generation quantity, and disposal method are summarized below in Table 7:

Table 7: Different Types of Waste Generated and their Disposal

S. No.	Type of Waste	Particulars	Quantity	Disposal Method
1	Solid Organic Waste	Cooked food waste from dining hall and uncooked waste from kitchens	600-800 kg/day	Collected by outsiders for animal food
2	Green Waste	Green garden waste such as green leaves, stems, branches, woody material, etc.	300-400 kg/day	Collected and disposed-off
3	Paper Waste	Paper waste from Library (old newspapers, Magazines, Parcels) and Examination Halls	1,250 kg/year	Direct selling to vendors through tendering
4	E-Waste	Damaged desktops, laptops, printers, cartridges, routers, switches, keyboards, projectors, electrical & electronic parts	2-3 kg/month	Reuse after refurbishment, repairs, upgradation of gadgets; Disposal by buyback arrangement

5	Plastic Waste	Pens, Refills, Plastic water bottles, wrappers, etc.	Negligible	Direct selling to scrap dealers
6	Bio-Medical Waste	Clinic waste, expired medicines, syringes, cotton, bandages, etc.	10 kg/day	Collected by M/s GJ Multiclave (Ind) Pvt. Ltd. for further treatment

4.1 E-Waste

The University has different electronic systems as listed below in Table 6.

Table 6: Electronic Items/ Gadgets in the campus

S. No.	Items	Inventory
1	Desktop Computers	100
2	Laptops to Admin	80
3	Laptops to students	15
4	Printers	70
5	Small Printers	10
6	Wi-fi access points	120
7	Data Servers	2
8	Televisions	50
9	Keyboards, routers, etc.	150
10	Photocopying machines	10

There are two Computer Labs, one Opac Lab, and two Data Servers.

The University has adopted a sound strategy to reduce and manage E-waste generation in the campus and it consists of:

- Upgradation & refurbishment of systems from time to time and using them thereby extending the life of gadgets
- Refurbishment of projectors and other gadgets for utilization
- Development of a fully equipped workshop, which undertakes refurbishment and repair of electronic items for utilization
- Refilling of cartridges
- Disposal of obsolete items under buyback arrangement with vendors.

The total E-waste generated is about 2-3 kg/month.

4.2 Paper Waste

The sources of paper waste are normally Library and Examination Centre.

The campus has a Library. In order to reduce paper waste, the Library has upgraded to digital Library where possible and has digital/ online databases, digital library, etc. There are books and magazines but there has been an overall effort towards digitization. This has considerably reduced the paper waste.

Further, Examination Section is not generating any solid waste for the past 2 years as it is paper-less and exams are conducted on-line. Prior to Covid, the paper waste generated was disposed-off once in 7 years by calling tenders.

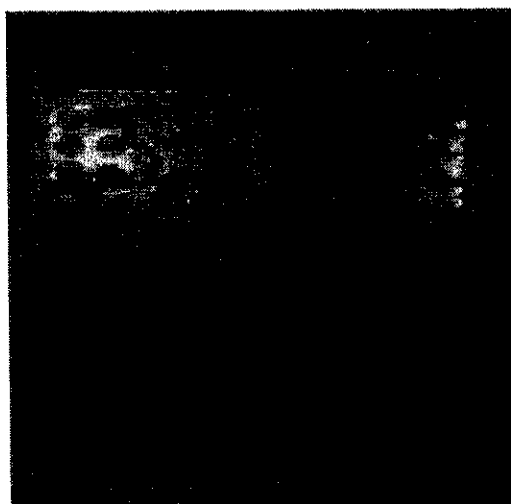
The details of paper waste are summarized below in Table 7:

Table 7: Paper Waste

S. No.	Paper Waste	Inventory	Method of Disposal
1	Old Newspapers	1,250 kg/year	Disposed once in a year through tendering
2	Magazines		
3	Parcels		

4.3 Bio-Medical Waste

It is generated in the clinic inside the campus. The waste is picked up by M/s GJ Multiclave (Ind) Pvt. Ltd., twice in a week (Monday and Friday). The waste is segregated and collected in three different bins of Yellow, Red, and Blue before it is being picked by the agency. The waste includes syringes, IV sets, gloves, plasters, masks, needles, vials, scissors, etc. It is noted that the medical waste is finally incinerated at a common facility by the company.



4.4 Solid Organic Waste

The kitchen and dining hall generate about 600-800 kg/day solid organic waste, which includes cooked food from dining halls and uncooked vegetables, etc. from the kitchen. In addition to this, about 300-400 kg of green garden waste is generated in the campus. Hence the total solid organic waste generated amounts to 1,000-1,500 kg/day. Presently, it is picked up by outsiders as animal food.

4.5 Recommendations for Waste Treatment

- 1) It is suggested to install an anaerobic digestion (Bio-methanation) based Biogas plant for treating the solid organic waste & green waste generated in the campus. A biogas plant of 200M³/day capacity may be installed that can treat 1,000-1,500 kg food waste, solid organic waste, and green garden waste generated from plantations and lawns. The Biogas generated has a good calorific value and can be used as clean/green fuel for cooking, heating, and hot water generation in the kitchen thereby reduce the CNG consumption and CNG bill. The bio-manure is a by-product of the Biogas plant, which produces about 300-500 kg/day bio-manure and can be used within the campus as bio-fertilizers for plantations, lawns, gardens, etc. Hence Biogas plant is an excellent zero-waste green technology for the University. A number of institutions, schools, colleges, dairy farms, poultry farms, townships, and industries have installed biogas plants and successfully managed the waste in an environmentally sustainable basis.
- 2) To encourage elimination of use of plastics in the campus, the University may promote biodegradable materials as alternative. Efforts should be made to make the plastic-free campus.
- 3) Recycle and reuse of different wastes should be emphasized to reduce waste generation in the campus.