

**Proceedings of the Executive Director, Suchitwa Mission,
Thiruvananthapuram
(Present: Mir Muhammed Ali IAS)**

Sub: LSGD – Suchitwa Mission – Empanelment of Engineering Consultants for preparation of Detailed Project Report (DPR) and handholding in project execution in Waste water / Septage Treatment Projects taken up by the Local Self Government Institutions (LSGIs) in Kerala – Orders issued.

- Read: 1. Expression of Interest (EoI) issued by Suchitwa Mission dated 17/07/2019.
2. Technical Committee constituted by Executive Director, Suchitwa Mission vide proceedings of even no., dated 07/09/2019.
3. Minutes of the Technical Committee Meetings held on 19/09/2019 and 04/10/2019.

No.2220/G/2019/SM

Dated: 22/11/2019

Suchitwa Mission invited Expression of Interest (EoI) for empanelling agencies who have expertise in Liquid waste management projects including preparation of Detailed Project Reports (DPRs) and handholding in project execution in Waste water / Septage treatment projects taken up by the Local Self Government Institutions (LSGIs) in the State of Kerala. The details submitted by agencies in response to the EoI were verified by the Technical Committee, constituted vide reference (2), in the meetings held on 19/09/2019 and 04/10/2019. Vide reference (3), the Technical Committee decided to empanel 21 agencies for a period of two years with effect from the date of this order on the basis of conditions given below. The list of the agencies is given as Annexure.

Conditions:-

1. The consultant shall be selected by the LSGI through competitive limited tender procedure from the above mentioned list.
2. The payment of fee for the consultancy Services by the LSGIs shall be made in installments as follows.

Sl. No.	Stage of work	Payment
1	Submission of Draft DPR	-
2	Technical sanction for the DPR	70 %
3	After selection of implementing agency through tender process	10%
4	After construction and trial run of the plant	10%
5	After six months of successful operation, after commissioning of the plant	10%

All LSGIs shall specify the payment condition mentioned above, in respective tender notifications.

3. A consultant for a particular project shall not participate in the tender for implementation of the same project
4. The scope of services by the selected agency shall include Preliminary Engineering design, Detailed design, Tender Package Preparation for implementation of the project, Selection of agency for implementation, Supervision of Construction, and commissioning of a liquid waste treatment plant. The agency selected by the LSGI from the list through a competitive process, shall prepare and submit the DPR within 30 days from the date of signing of contract agreement with an LSGI and the DPR shall include but not limited to the following,
 - Site Survey- Situation Analysis, Geotechnical analysis (soil test, groundwater table details etc.)
 - Quantification of waste water generated/to be treated
 - Sampling and Analysis of inlet wastewater characteristics, in laboratories approved by the Kerala State Pollution control Board
 - Preparation of wastewater treatment Feasibility Report
 - Plan formulation and Feasibility Assessment for Recycle, Reuse of Treated Wastewater
 - Suitable proposal for the maximum reuse of treated effluent and strategy to manage the sludge produced from the treatment unit
 - Selection of Treatment Technology and justification for selection of the particular technology (comparative matrix consisting of capital cost, O&M cost, area requirement etc.)
 - Design of conveyance network
 - Plumbing and electrical design of the treatment plant
 - Structural Design and Engineering Drawings of all treatment components - Primary, Secondary, Tertiary Treatment
 - Detailed Cost Estimation as per prevailing DSR and CPWD specifications of all components in the DPR -BOQs. Minimum three quotations or observed data for items which are not included in DSR shall be provided.
 - Conditions and Financial aspects for Operation & Maintenance for 10 years after the successful installation of Wastewater treatment plant (Scope of Client and Contractor should be given separately).
 - Sustainability Assessment
 - Environmental and Social Impact Assessment

- Preparation of detailed process flow diagrams
 - Tender Document for implementation of the project (The tender document shall be prepared in consultation with the concerned LSGI and Suchitwa Mission)
 - Gantt chart showing time period for the project execution.
 - The technology proposed shall be the one approved by CPHEEO and all the design Procedures shall conform to relevant IS codes and CPHEEO manual.
 - The design of the project shall conform to the standards prescribed by Kerala State Pollution Control Board and other concerned statutory laws.
 - Any relevant details as required by the competent agency / Suchitwa Mission, for approval of the project.
5. The selected consultant for a particular project is also responsible for the following tasks:-
- Support the LSGI in preparing documents for getting statutory approvals from concerned departments for the project
 - The consultant will be required to make presentations before the technical committee of Suchitwa Mission/authorized agency as a part of evaluation for Technical Sanction for the DPR. The suggestions of the aforementioned committee shall be considered for inclusion in the Final DPR, that shall be submitted by the agency to the LSGI for obtaining Technical Sanction from the Mission / competent authority.
 - The agency shall, in consultation with LSGI, prepare Request For Qualification (RFQ), Request For Proposal (RFP) and Bid Criteria for developer agency (agency that installs the plant) selection. The selection criteria for the developers at the RFQ/RFP stage would be finalized in successive consultation with the concerned LSGI. Preparation of the draft of the agreement that the LSGI needs to sign with the developer of the project shall also be the responsibility of the consultant agency.
 - The consultant shall monitor the construction of the Waste water / Septage treatment plant from beginning till the completion of trial run.
 - Checking the performance of the plant during trial run and analyzing the treated water characteristics to ensure that the parameter limits are within standards prescribed by the Kerala State Pollution Control Board.

- After the completion of trial run, the consultant shall submit a letter of satisfaction to the concerned LSGI on the functioning of all the modules and on the performance of the plant in total.
6. The enlisted agencies shall take part in all the tenders issued by different LSGIs and participation in atleast 2 such tenders in a year shall be a criteria for renewal / enlisting afresh the agency in the area.
 7. If any complaints about the service of consultants received from LSGIs, the same would be considered seriously and appropriate action shall be taken after proper investigation. If allegations against a consultant are found to be true, the empanelment of the consultant shall be cancelled by Suchitwa Mission.

Sd/-
Executive Director

Concerned agencies

Copy to :

Director, Urban Affairs Department.

Director, Panchayat Department.

Chief Engineer, Local Self Government Department.

All District Suchitwa Missions.

Programme Officer (IT & E-Governance) - for uploading in the website
SF/OC

Approved for issue

Director (Drinking Water)

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21/11/16

Sd/-
SF/OC

List of empanelled engineering consultants for preparation of DPR and handholding in project execution in the field of Waste water / Septage Treatment Projects

Sl. No.	Name of Consultants	Communication Address, Phone no. and E-mail ID
1.	Ultra-Tech Environmental Consultancy & Laboratory	Jai Commercial Complex, Eastern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) - 400 601. <i>Phone:</i> 8657446353 Kochi - 0484-4011173, 9895200526 <i>E-mail:</i> tender@ultratech.in
2.	Green Method Engineering (P) Ltd.	19/195A1, ATC Building, Moolepadam Nagar Road, HMT Junction, Kalamassery P.O., Kochi, Ernakulam - 683 104, Kerala. <i>Phone:</i> 0484-2555336, 2543985 <i>E-mail:</i> mail@greenmethodengineering.com <i>Website:</i> www.greenmethodengineering.com
3.	C.C. Patel And Associates Pvt. Ltd.	HQ: 505, Shyamak Complex, B/H. Panjara Pole, Opp. Income Tax Bhavan, Ambawadi, Ahmedabad - 380 015. <i>Reg. Office:</i> A/34, G.I.D.C. Electronics Estate, Sector - 25, Gandhinagar - 382 016, Gujarat. <i>Phone:</i> +91-7046074736, 7302688888 <i>E-mail:</i> ccpa87@yahoo.com
4.	KITCO Ltd.	Femith's, P.B.No.4407, Puthiya Road, NH Bypass, Kochi, Ernakulam - 682 028, Kerala. <i>Phone:</i> 0484-4129000, 6129000 <i>Fax:</i> 0484-2805066 <i>E-mail:</i> mail@kitco.in
5.	Centre for Environment and Development	Thozhuvancode, Vattiyoorkavu P.O., Thiruvananthapuram - 695 013, Kerala. <i>Phone:</i> 0471-2369720, 2369721, 2369722, 9447168040 <i>Fax:</i> 0471-2369720 <i>E-mail:</i> director@cedindia.org
6.	Centre for Management Development	Thycaud, Thiruvananthapuram - 695 014, Kerala. <i>Phone:</i> 0471-2320101, 2328737 <i>Fax:</i> 0471-2331253 <i>E-mail:</i> cmdtvm@dataone.in admin@cmdkerala.net

7.	Aquatechnics Water Treatment Technologies (P) Ltd.	7/608, Aquatech, South Paravoor, Udayamperoor, Ernakulam - 682 307, Kerala. <i>Phone:</i> 0484-2977130, 9747317771 <i>E-mail:</i> info@aquatechnicsindia.com <i>Website:</i> www.aquatechnicsindia.com
8.	Pure Solutions environmental Consultants	Door No.5/1706, Greenway Building, Near Vengeri Service Co-operative Bank, Karikkamkulam, Kozhikkode - 673 010, Kerala. <i>Phone:</i> 0495-4020106, 9037227922 <i>E-mail:</i> mail@puresolutions.in, anfal@puresolutions.in <i>Website:</i> www.puresolutions.in
9.	Ram Biologicals	8/528-I, Near Kuttiady Irrigation Project Office, Mootoli, Kakkodi P.O., Kozhikkode - 673 611, Kerala. <i>Phone:</i> 0495-4025433, 9446048233, 9446259112 <i>E-mail:</i> rambiol@rediffmail.com rambiologicals@gmail.com
10.	Global Labs & Consultants	Global House, Mekkad P.O., Nedumbassery, Ernakulam - 683 589, Kerala. <i>Phone:</i> 0484-2476845, 9446429151 <i>E-mail:</i> periyarbiotech@gmail.com support@globallabscochin.com <i>Website:</i> www.globallabscochin.com
11.	CDD Society	Survey No. 205, Ground Floor, Opp. Beedi Worker's Colony, Kommaghatta Road, Bandemath, Bangalore - 560 060, Karnataka. <i>Phone:</i> 08028486700, 9743892359, 9535532653, 9745242955 <i>E-mail:</i> bangalore@cddindia.org <i>Website:</i> www.cddindia.org
12.	Sens Wasser Solutions & Company	1945 A, Pampayimoola, Edakochi P.O., Kochi, Ernakulam - 682 010, Kerala. <i>Phone:</i> 0484-2327995, 9645080692, 93, 95 <i>E-mail:</i> senswassersolutions@gmail.com
13.	H2O Care	Bypass Road, Changanacherry, Kottayam - 686 101, Kerala. <i>Phone:</i> 0481-2420700, 9388733857, 9349733859, 9349733861 <i>E-mail:</i> info@h2ocare.in
14.	Swaraj Equipment (P) Ltd.	No.53, Annaji Rao Nagar, Vembuliamman Koil Street, K.K. Nagar, Chennai - 600 078, Tamil Nadu. <i>Phone:</i> 044-23643212, 23640284 <i>Fax:</i> 044-2364 1604 <i>E-mail:</i> info@swarajequipment.com

15.	Flowmax Water	V/346-B, Near Eravipuram Temple Road, Alangad P.O., Aluva, Ernakulam - 683 511, Kerala. <i>Phone:</i> 9142111555, 9142111666, 9388601978 <i>E-mail:</i> info@flowmaxwater.com projects@flowmaxwater.com flowmax2010@gmail.com
16.	Northamps Env Solution	435/ A, Naduvileveetil Building, Refinery Road, Irumpanam P.O., Thripunithura, Kochi, Ernakulam - 682 309, Kerala. <i>Phone:</i> 0484-4038766, 9895463766 <i>E-mail:</i> info@northamps.com <i>Website:</i> www.northamps.com
17.	Ecodew Pure Water Solutions (P) Ltd.	1.571, Opp. KMJ Auditorium, Ashokapuram Post, Aluva, Ernakulam - 683 101, Kerala. <i>Contact Add.:</i> Maker Village, Kerala Technology, Innovation Zone, KINFRA Hitech Park, Kalamassery, Ernakulam - 683503. <i>Phone:</i> 0484-4856197, 9020661101 <i>E-mail:</i> mail@ecodew.solutions <i>Website:</i> www.ecodew.solutions
18.	Bhavani Consultants	31/1342 D, Lal Salam Road, Ponnurunni, Vytila P.O., Kochi, Ernakulam - 682 019. <i>Phone:</i> 0484-4060404, 4010111 <i>E-mail:</i> design@bhavaniconsultants.com
19.	Spaar Environmental Technologies (P) Ltd.	No.37/1103/ A, Near Punjab National Bank, Thiruvambady Road, Poonkunnam, Thrissur - 680 002, Kerala. <i>Phone:</i> 0487-2388766, 2385289 <i>E-mail:</i> spaarentech@gmail.com <i>Website:</i> www.spaarentech.com
20.	S.K. Associates	328/7, Thai Nagar, Kanji Kovil Road, Karumandisellipalayam, Erode, Perundurai - 638 052, Tamil Nadu. <i>Phone:</i> 9443769334, 9677780954 <i>E-mail:</i> sk2get@gmail.com, sk4super@outlook.com <i>Website:</i> www.multipleeffectevaporator.com
21.	Waterman Aquatic Systems (P) Ltd.	First Floor, FNG Building, Azad Junction, Eroor South, Ernakulam - 682 306. <i>Phone:</i> 9744311160 <i>E-mail:</i> waterman@watermanaqua.com