



**Kerala Agro Machinery Corporation Ltd**  
**(A Government of Kerala Undertaking)**  
**Regd.Office: Athani – 683 585 , Ernakulam Dist., Kerala State**  
**Tel: 0484-2474301 (5 lines) Fax: 0484-2474589:**  
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## **EMPANELMENT OF CONSULTANTS**

### **ABOUT THE COMPANY**

Incorporated in 1973.

Wholly owned by Government of Kerala and functioning profitably under Agriculture Department

Four assembling units - at Athani & Kalamassery in Ernakulam District, Kanjikode in Palakkad Dist and Mala in Thrissur District. All the expansions have been undertaken with company's own resources. Except for Athani Unit there had been no borrowing from financial institutions or any fund allocation from Government of Kerala. For Athani Unit finance had been availed from IDBI in the 70's, which have been repaid fully.

Company's products are two variants of diesel operated Power Tiller , one model Power Reaper and three variants of diesel engines. Initially technology for Power Tiller had been obtained from M/s. Kubota Corporation of Japan under technical collaboration agreement. The validity of agreement ceased in 1986 and since then the products are marketed under brand name KAMCO.

### **ABOUT THE PROJECT**

We propose to set up a new unit at Athani, Nedumbassery Village, Ernakulam District for manufacturing Tractors . We require expert consultancy, works supervision and site management services for civil and electrical works. Those who are desirous of participating in the tender for such consultancy works are invited to apply for Empanelment.

Civil works comprise of repairs to existing buildings, providing landscaping to the project site, construction of new roads, providing new gates and compound wall etc. The estimated cost of civil renovation works is approximately Rs. 300 lakh.

Electrical works comprise of HT/LT electrical cabling and installation of substation, diesel generator set, outdoor type transformer, control panels cable for computer connectivity and telephone connectivity etc. The estimated cost of these works is approximately Rs. 150 lakh.

The scope of services shall include all consultancy, design, supervision, tendering shortlisting of contractors and site management services including getting necessary approvals from statutory bodies. The period fixed for the completion of work is Nine months . Timely completion of the work to our full satisfaction is the duty of the consultant. Consultant shall also be bound to complete all the connected job required for the completion of the project. Applicant should be a registered organisation having similar experience of not less than 5 years. No further tender notice will be published and issue of tender forms for the respective works will be restricted to those who are empanelled. Last date of receipt of application for empanelment will be 31.08.2009.

**PROPOSED CIVIL ENGG, WORKS**  
**SERVICES TO BE RENDERED BY CONSULTANTS**

The consultant shall take and comply with company's instructions during the discharge of its professional services.

The scope of services required from the consultants will generally be the following.

**STAGE I**

Detailed Engineering layout: - As per the requirements of all statutory authorities including Nedumbassery Panchayat, Health Dept., Fire Force, Nationalized Insurance Agencies, Electrical Inspectorate, Kerala State Electricity Boards, Kerala Water Authority, Factories and Boilers Directorate, State Pollution Control Board, Kerala State PWD, Dept. of Telecommunications, etc. The consultants will have to prepare and submit details required by any or all of the above agencies for approval.

1. Preparing architectural drawings for the existing buildings, preparing sketches, design, making estimates based on Kerala State PWD schedules (latest) , preparing drawings with additional copies as required for getting approval from statutory bodies.

2. Conducting site investigation, site surveying, soil testing and preparation of survey sketches.
3. Testing of water
4. Preparing rough cost estimate for initial approval.
5. Providing details of landscaping plan.
6. Preparing plan & design details for Rainwater harvesting for existing buildings.
7. Preparing details of fire protection systems.
8. Preparing design details for construction of effluent treatment plant.
9. Details of electrical works need to be prepared including cable trenches, grounding cables, cables for lightning protection and executed before carrying out civil maintenance works in the buildings.
10. Preparation of flow charts as per manufacturing process and requirement of KAMCO.
11. Obtaining necessary approval of design and drawings from statutory bodies including Nedumbassery Panchayat, Health Dept, Fire Force, Nationalized Insurance Agencies, Electrical Inspectorate, Kerala State Electricity Boards, Kerala Water Authority, Factories and Boilers Directorate, State Pollution Control Boards, Kerala State PWD, Dept, of Telecommunications etc and obtaining certificate in time and renewal wherever necessary in all cases from the Govt./Local Authorities including sanction, permits, license therefore.

## **STAGE II**

1. Layout of plant, compound wall, site development plans including formation and repair of service roads within the project.
2. Establishing the design data and variables, designing of special foundations , if required according to the plant layout.
3. Preparation of sufficient numbers of plot plans Architectural and structural drawings for buildings and other structures, landscaping design etc.
4. Planning of utility service design such as plumbing, water supply, drainage, effluent treatment etc.

5. Submitting detailed drawings for the approval of KAMCO.
6. Preparation of detailed cost estimates & budget and submitting for the approval of KAMCO.

### **STAGE III (CONSRUCTION WORK PROCEDURES)**

1. Preparing specifications for the purpose of obtaining tenders, furnishing contract drawings , specifications and such necessary details for the proper carrying out of the works.
2. Preparation of tender documents as per Kerala State PWD schedules and making adequate no. of sets of tender documents and drawings for issue of tenders and providing necessary assistance to KAMCO for invitation of tender through publicity /prequalifications.
3. Detailed scrutiny of the tenders received and preparing comparative statement, assisting KAMCO in negotiating with the contractors and preparing the final assessment report for taking decision by KAMCO to award job including maintenance.
4. Issue of detailed construction drawings to KAMCO and contractors.
5. Supervision of works to ensure adherence on the part of the contractors to the specifications and drawings and carrying out the required tests to ensure proper quality control.
6. Monitoring of time schedule and reporting of actions activities (structural, RCC and Architectural) at regular intervals. Preparation of status papers regarding the progress of work for discussion at various levels.
7. Checking and maintaining records, measurements of work at site, checking theoretical statement of cement and other materials used and all calculation of measurement books, bill etc and submitting to KAMCO.
8. Co-ordination of various agencies involved in the project work.
9. Make available sufficient number of qualified and experienced technical/supervisory staff at site for the site management. A construction division have to be set up and posted at site consisting of qualified engineers with not less than 5 years experience in Civil Engg works and sufficient number of supervisory staff.
10. Supervision and inspection of works during progress to ensure that the works are being executed in accordance with the contract. The architect(consultant) will do all to protect the company (KAMCO) against the defects and deficiencies in the work of the contractor and

hold themselves responsible for all architectural and structural stability.

11. Maintenance of site office and records is the duty of the consultant and no charges will be paid for this.
12. Co-ordinate with KAMCO's representative in checking of measurements bills quality control and all other jobs.
13. Assuring full responsibility for completing building maintenance and construction within the specified time limit.
14. Inspection and approval of works, recommendation of payment to contractors.
15. Preparation of bill of quantities of work done on the basis of actual measurements of the completed items or work at site (Measurement, checking and certification)
16. Preparation of completion reports and accounts in the prescribed Performa as required by KAMCO and issue of certificates of completion.
17. Preparation of as built drawings after construction.
18. Obtain stability certificate, fitness certificate for structures and buildings and other construction /erection of works from the competent authority as per statutory requirements.
19. Guarantee period of minimum one year from the date of completion/commissioning will be applicable to all constructions and installations.
20. All other services incidental and connected with civil consultancy.
21. Detailed conditions will be mentioned in the tender forms which will be issued only to the empanelled applicants.

**PROPOSED CONNECTED LOAD DETAILS OF THE PROJECT**  
**(APPROXIMATE VALUES)**

1.	a) Conveyor System fully automatic motorized		
	Conveyor for main assembly	:	16 kW
	b) Motorized conveyors for subassemblies	:	08 kW
2.	Test Beds		
	a) Chasis Dynamometer	:	120 kW
	b) Dynamometer for engines	:	30 kW
	c) Dynamometer for sub assy. Tank	:	06 kW
3.	Electric Hoist at different locations		
	I.	:	06 kW
	II.	:	04 kW
	III.	:	03 kW
4.	Water Pumps	:	04 kW
5.	Air compressor	:	40 kW
6.	Machineries & equipments	:	15 kW
7.	Lighting load	:	26 kW
8.	Painting Booth (2 Nos.) (10x2)	:	20 kW
9.	Air conditioning	:	08 kW
10.	Miscellaneous load including heating facilities, Cleaning	:	06 kW
	Total connected load	:	312 kW
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The above values may change as per the final selection and installation of equipments and lay out.

**PROPOSED ELECTRICAL ENGINEERING SERVICES TO BE  
RENDERED BY THE CONSULTANTS**

The scope of services shall include all consultancy, design, supervision and site management services for complete electrical works including designing of all HT electrical works of the unit like external electrical yard at site for receiving 11 KV line from KSEB , laying of all HT cables, erection of substation including transformers, circuit breakers, bus bar etc. Designing of all LT electrical works like mini panel boards, sub switch boards,distribution boards, emergency panel, fuse distribution board, all LT capacitors and connection to all machines/equipments/installations.

1. Prepare and submit all papers and obtain temporary L.T. connections from KSEB at the project site for carrying out the construction works.
2. Master planning and calculations of all electrical loads and preliminary design, layout and estimation of all electrical works required for the project.
3. Preparation of rough cost estimate for initial approval of KAMCO and for budgeting.
4. Preparation of detailed designs, layout, drawings etc, complying with all rules and regulations/stipulations of Kerala State Electrical Inspectorate, KSEB or any other statutory agencies and submit to KAMCO for approval.
5. Obtain approval of layouts/drawings, designs etc.from electrical Inspectorate, KSEB or any other statutory agencies.
6. Prepare necessary documents and assist KAMCO in executing agreement with KSEB.
7. Follow up KSEB and obtain power sanction and power connection from KSEB.
8. Preparations of detailed cost estimate and budgets and submit to KAMCO for approval.
9. Designing total internal lighting ,fans and air conditioning.
10. Designing complete yard and road lighting.
- 11.Selection and preparing lay out of suitable diesel generator set as per CPCB norms
12. Selection and inclusion of energy efficient lighting and prime movers to reduce power requirement of optimum levels.
- 13.Preparation of tender documents and sufficient number of drawings for issue of tenders and providing necessary assistance to KAMCO for invitation of tender.
- 14.Detailed scrutiny of tenders received and preparation of comparative statement. Assisting KAMCO in negotiating with contractors and preparing final assessment report for taking decision by KAMCO to award the works.
- 15.Issue of detailed working drawings to KAMCO and contractors.

16. Supervision of all electrical works to ensure adherence on the part of contractor to the specifications and drawings and carrying out the required tests to ensure proper quality control.
17. Co-ordination with various agencies involved in the project works
18. Consultant shall engage qualified electrical engineers with not less than 5 years experience in erection of electrical installations and sufficient experienced electrical supervisory staff for site supervision.
19. Provide statutory approval for all the electrical installations and cabling after construction.
20. All other services incidental and connected with electrical consultancy.
21. Detailed conditions will be mentioned in the tender forms which will be issued only to the empanelled applicants.

### **PAYMENT DETAILS**

The remuneration to the consultant will be based on the approved estimate of the actual works to be executed. Detailed payment terms and statutory remittance and taxes will be specified in the tender forms issued to empanelled applicants. No advance payment, TA/DA, visiting charges etc. shall be payable to the Consultant by the company.

### **SHORTLISTING OF APPLICANTS**

The criteria for shortlisting of applicants will be decided by KAMCO based on the credentials and past records of the applicants. KAMCO reserves the right to reject any or all applications for empanelment without assigning any reason whatsoever.

### **METHOD OF APPLYING**

Consultants who are interested in taking up total project consultancy service in all fields including Civil, Mechanical and Electrical works may register their name for empanelment in the prescribed form.

Those who have undertaken such consultancy services for industrial projects costing at least Rs. 300 lakh need only apply.

Further particulars can be had from the office of Sr. Manager(Marketing) at Athani Unit during working hours.

The application for registration in the prescribed form should reach the Managing Director, KAMCO Ltd., Athani on or before 31.08.2009.

Sd/-  
**MANAGING DIRECTOR**



**APPLICATION FORM FOR EMPANELMENT**

1. Name of the Firm  
(Regn. No. – attach certificate):
2. Nature of the organisation  
Constitutional set up
  
3. Address with phone no. & :  
e-mail
  
4. Name of the contact person :  
  
Phone No. & e-mail :
  
5. Name of the chief executive  
Phone No. & e-mail
  
6. Date of incorporation :
  
7. Present Activity :
  
8. No. of years of experience :  
in the present field
  
9. Details of projects done during  
the last five years with support-  
ing documents.
10. Turnover for the last 5 financial  
Years (attach proof) :
  
11. Attach list and biodata of professionls  
who are associated with the firm either  
as employee or as partners
  
12. Attach testimonials from reputed clients  
in proof of having rendered satisfactory  
Consultancy services.

**AUTHORISED SIGNATORY**

(Seal with date)

