

**RAICHUR CITY MUNICIPAL COUNCIL, RAICHUR (KARNATAKA)**

INVITATION FOR BIDS (NATIONAL COMPETITIVE BIDDING) (MANUAL BIDDING)

(ADB LOAN NO : 2312 - IND NKUSIP)

No. CMC-PCR-NKUSIP-TENDER-02-2009-10 Date: 01.12.2009

1. India has received a loan from the Asian Development Bank (ADB) towards the cost of North Karnataka Urban Sector Investment Programme and it is intended that a part of the proceeds of this loan will apply to eligible payments under the contract named below to be executed in Karnataka State, India. Bidding is open to bidders from eligible source countries of the ADB.
2. Municipal Commissioner, City Municipal Council, Raichur here in after called the Employer, now invites bids in sealed envelopes from eligible bidders for the below mentioned package.

Sl. No.	Contract Package No.	Title of work	Bid Security	Period of Completion in Months	Cost of Bid Document
1.	01RCR02	Improvements to Sewerage collection system and Construction 20 MLD, FAL type Sewerage treatment plant and allied works for Ekalsapur Zone in Raichur CMC.	Rs. 81.32 Lakh	18 months (including Monsoon period)	Rs. 20000/-

The bid should include all the works included in the contract package Offers for Partial bids will not be considered  
3. Only eligible bidders with following key qualifications should participate in this bidding.

Package No.	Component	Requirement
01RCR01	Experience	Should have completed at least one contract of similar nature and complexity within the last five years with a value of at least Rs.2463 Lakh and should have experience in laying sewer collection networks including pumping mains, electro mechanical installations, construction of Wet well, construction of FAL type Sewerage treatment plant with allied works of minimum 10 MLD or 2No of 8 MLD each and road restoration works.
	Financial	Minimum average turnover - annual construction turnover of Rs.4088 Lakh within the last 3 years.
	Equipment	Excavator, Survey Equipments, Dewatering equipments, Diesel Generator sets, Electro fusion Welding Machine, Welding equipment, concrete mixer, Vibratory road rollers, tippers and other equipment for execution of Sewerage collection and Sewerage treatment plant works.
	Personal	Project Manager, Sewerage Engineer, Electro-Mechanical Engineer, Instrumentation Engineer, Site Engineers (Civil, Electrical and Mechanical), Quantity Survey Engineers, Land Surveyor and Auto CAD draftsmen.

4. National competitive bidding will be conducted in accordance ADB single stage: Two envelop bidding procedure.
5. Interested bidders may obtain further information from and purchase the bidding documents at the office of Municipal Commissioner, City Municipal Council, Raichur, Karnataka, India, PIN-584101 and can contact over phone / fax in No. +918532 231631, Fax No. +918532 228846.
6. A complete set of bidding documents (in duplicate) in the English language, may be purchased by interested eligible bidders on submission of a written application to Municipal Commissioner, City Municipal Council, Raichur, Karnataka, India, PIN-584101 and on payment of the non refundable cost of bid as specified in column No.6 of para No.2, during normal office hours and all working days from 02.12.2009 upto 12.00 Noon 05.01.2010. Those bidders who desire to receive the bidding documents by courier shall pay Rs. 1000/- (Indian Rupees One Thousand Only) extra for delivery within India and Rs.2000/- (Indian Rupees Two Thousand Only) extra for delivery to any place out side India. The fee and courier charges shall be paid in Indian rupees or an equivalent amount in a freely convertible currency in the form of demand draft favoring Municipal Commissioner, City Municipal Council Raichur, payable at Raichur, Karnataka. No liability will be accepted for loss or late delivery. Additional copies of the bidding documents if required by the contractor can be obtained by a payment of cost of bid as mentioned in column No.6 of para No.2.
7. A Pre bid meeting will be held on 17.12.2009 at 11:30 Hours at the Office of the Municipal Commissioner, City Municipal Council, Raichur to clarify the issues and answer, questions raised on the bid. Any queries can be mailed to the Municipal Commissioner, City Municipal Council, Raichur (P.O) Karnataka, India, PIN-584101 or can be electronically mailed to the mail ID, [comm\\_cmcr@yahoo.co.in](mailto:comm_cmcr@yahoo.co.in) up to 12:30 Hours on 16.12.2009
8. Sealed bids must be delivered in duplicate duly signed by the authorized signatory to the City Municipal Commissioner, City Municipal Council, Raichur (P.O) Karnataka, India, PIN-584101 on or before 14.00 Hours 05.01.2010. All bids must be accompanied by the specified bid security for an amount as specified above in column No.4 para No.2 as part of the bid, drawn in favor of "The Commissioner, City Municipal Council, Raichur" which shall remain valid for a period of 28 (Twenty eight) days beyond the original validity period of 120 days. The bid security shall be in the form of unconditional irrevocable bank guarantee from any Nationalized Bank / Scheduled Bank in India. Late bids will be rejected. Bids will be opened immediately there after at 14:30 Hours on the same day and at the same place in the presence of the bidders or bidders' representatives who chose to attend. In the event of the specified date of bidding / opening been declared a holiday for the Employer, the bids will be received and opened at the same time and place on the next working day. The details of opening of bids can also be viewed through the Website [www.raichurcity.gov.in](http://www.raichurcity.gov.in).
9. The Employer will not be responsible for any cost or expense incurred by the bidders in connection with the preparation or delivery of the bids.
10. Employer reserves the right to modify the requirements as well as accept any bid or reject any bid or reject any or all bids, without assigning any reasons whatsoever.
11. Other details can be seen in the bidding document.

Sd/- Municipal Commissioner, City Municipal Council, Raichur,

*Times of India dated 02-12-09*  
*Vijaya Karnataka dated 02-12-09*

# Scope of Works;

## Background of project

The Government of Karnataka (GoK) through the Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC) has proposed the North Karnataka Urban Sector Investment Program (NKUSIP) under the Asian Development Bank (ADB) assistance.

The project is divided into four packages to benefit 25 towns in north Karnataka. Raichur is one of the 25 towns taken up under ADB assisted NKUSIP and located at a latitude of 15deg 12min north and 77 deg 21 east longitude and an altitude of 400.0mts above MSL. Considering the immediate attention required in improving the environmental quality of the city a new sewerage scheme is formulated

!) Underground Drainage System of Raichur

1) Existing sewerage system scheme;

The first sewerage system in Raichur was commissioned during the year 1971 with sewer lines of about 55 km length, subsequently another 30 km of sewer network were laid during the year 1991. The entire existing system is spreaded in two zones namely Hosur and Eklaspur. The total network of sewerage system length including trunk mains is 75 km. The outfall and main sewers have been broken and in major cases, the sewage has been diverted to open nalas. This together with blockages and letting out of sewage into nearby nalas has resulted in Hosur STP ( WSP Type ) receiving no sewage at all, while very little flow is there to Eklaspur STP ( WSP Type). This has resulted in a defunct UGD with unserviceable STP. Now the entire collection system is proposed to be abandoned and new FAL type STP of 20.0mld capacity is proposed

2) Proposed new Sewerage System with STP

A) Collection system ; In the newly proposed system. Based on the survey works carried out the Town has been divided into three zones, viz Hosur, Eklaspur and Yermerus zones, out of which Yeramarus zone and Hosur zone which are less populated is not proposed to be taken up now, and only **Eklaspur** zone is taken up under NKUSIP. This zone is located in the central part of the city. Sewage generated from this Zone shall be conveyed by gravity flow through sewerage network of 153 km to the proposed Wetwell located near proposed Sewage Treatment plant at Eklaspur. The trunk main which leads to the wet well from railway crossing is of RCC pipe of 1000mm dia for a length of 1333.0mts. The sewage collected in the wet well will be pumped to inlet chamber of STP through a pumping main of DI K-7 for length of 70.0mts

B) Sewage treatment plant;

The Sewage Treatment plant is proposed at existing STP site near Eklaspur village. The capacity of proposed FAL STP is 20.0mld, The treatment unit consists of Inlet chamber followed by screen chamber, grit chamber and distribution chamber. The raw sewage after pumping to receiving chamber will be let to the Aerated lagoons for treatment. After treatment in FAL effluent is let in to facultative ponds constructed in earthen embankments. The treated effluent will be discharged through a leading RCC pipe line to the existing nala near by

The management of the project is proposed to be done by KUIDFC with the help of programme consultant. Raichur ULB shall be the implementing agency for this project and NKUSIP cell has been formed at the Raichur to assist the implementing agency

**Details of Work Requirements for proposed Sewerage System in Raichur Town under ADB assisted NKUSIP.**

- i) Providing, laying, and jointing of sewer pipe line of length 171 km with varying diameters from 150 mm dia to 250 mm dia of stoneware pipes and 300mm to 1000 mm RCC pipes
- 2) Providing, laying and jointing of trunk sewer mains of 300mm to 1000 mm RCC pipes of length 18 km
- 3) Providing and constructing electrical line works of 11 KV express feeder main from 33 KV sub-station near Nijalingappa colony to sewerage treatment plant near Eklaspur village via Basaveshwarnagar of length 3.0 m Km.
- 4) Providing laying and jointing of 1000 mm dia DI K-7 pipe for rising main of length 70 meter from wet well to Inlet chamber of STP with necessary specials and supply and fixing of air valves , etc
- 5) Supplying, erecting, testing and commissioning of four non clog sewage submersible pump sets and D.G. set with accessories & connected to electrical works including panels, starter, etc at wet well.
- 6) Providing and construction of Electrical control room and generator room of size 12x6m at STP
- 7) Construction of Wet well of diameter of 13.0 meter with pumping station and allied works
- 8) Construction of Administrative cum Laboratory Building of size 10x12M at STP site
- 9) Providing Approach road for wet well and STP
- 10) Construction, testing and commissioning of 20.0 MLD capacity STP of FAL type (Facultative Aerated Lagoons) including inlet chamber, screen chamber, grit chamber, parshal flume, distribution chamber ,Out let chamber etc and D.G.set with accessories & allied electrical works including panels, starter, etc complete.
- 11) Rehabilitation of existing manholes.
- 12) Operation and maintenance of entire sewer network, plant and machineries in Wet well pumping station and sewage treatment plant without any interruption by engaging qualified staff including for one year from the date of satisfactory completion of the entire work and commissioning the scheme including giving on the job training to the Raichur CMC staff. (The electrical and consumables will be borned by ULB).The treated effluent parameter should meet the requirement of KSPC board. norms,