

SUBJECT NO. ~~200~~ 187

AGENDA NOTE :

Sub: VUDA – PLANNING – Extension to Master Plan Study – Pre-feasibility study of Proposed Mass Rapid Transit System (MRTS) – for Visakhapatnam Metropolitan Region (VMR) – Regarding.

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The Government of A.P. in its G.O.Ms.No.547 dated 5.10.2001 has approved the proposal of Revision of Master Plan / Zonal Plans in VMR Area for appointing of M/s Consulting Engineering Services (India) Private Limited, New Delhi for the Revision of Master Plan Visakhapatnam Metropolitan Region (VMR) and Zonal Development Plans for 5 towns of Visakhapatnam, Gajuwaka, Anakapalli, Bheemunipatnam and Vizianagaram.

The consultants have submitted the Draft report along with plans in the month of December, 2003. The same was discussed and approved by the Steering committee and also by VUDA Board in the meeting vide resolution 142 dated 10.1.04. As per the statutory procedures prescribed, the plan has been kept for public inspection for calling objections and suggestions from the public and accordingly the plans will be finalized by making modifications if necessary and the final report along with plans will be submitted to the Government for approval.

During the Master Plan Study M/s C.E.S have identified the problem of parking, traffic delay, traffic congestion, increasing trend of accidents and pollution levels in the VMR Area. The consultants have estimated about 45 lakh person trips per day by vehicular modes in Visakhapatnam Metropolitan Region. They have also identified that about 3,50,000 no.of vehicles registered in VMR and it is projected to increase 4 times during the year 2021. In order to avoid the traffic problems and to promote growth and development of VMR the consultants have recommended the need for development of Mass Transport System which will

bring reduction in use of personalized vehicles and thereby reducing traffic congestion and pollution levels and finally the consultants have recommended strongly to opt for development of Integrated Mass Transport System for Visakhapatnam Metropolitan Region. The proposed Mass Rapid Transport System consists of linking commuter rail services, Light Rail Transit System along with Bus Transport System.

As a part of the Mass Rapid Transport System (MRTS) the consultants have identified the Light Rail Transit System to a length of about 80.0 Kms and it connects Visakhapatnam and Anakapalli with dedicated tracks and it is estimated that it caters to the needs of 5.50 lakh passenger trips per day.

The following four LRTS corridors have been identified by the consultants.

1. Orange corridor comprises of 56.0 Kms, it starts from Vizianagaram railway station to Hanumanthawaka.
2. Green corridor comprises of 7.95 kms, it starts from Hanumanthawaka to Old Post office.
3. Red corridor comprises of 7.74 kms, it starts from Visakhapatnam railway station to Kailasagiri. And
4. Brown corridor comprises of 10.39 kms. It starts from port to Chinagantyada.

The consultants have suggested in the Master plan for carrying out the feasibility and Detailed Engineering Study for the above suggested corridors so that the land would be reserved for the successful implementation at later stage without escalation of time and land cost.

Accordingly the Consultants have submitted the Technical and Financial proposals for carrying out the Feasibility Study. The Feasibility study includes the following :

- i. Alternate Alignments and system technology
- ii. Selection of Alternative and prioritization.
- iii. Rapid Environmental Impact Assessment and social Assessment.
- iv. Preliminary Engineering and Cost estimates.
- v. Concept plan of Station area, car depot and land requirements
- vi. Economic and Financial viability, and
- vii. Legal framework and funding options.

The consultants M/s CES have conducted the Master Plan Study in a effective manner and it would be advantageous to extend the scope of Master Plan Study to undertake feasibility study for improvement of transport system in VMR along with identification and finalisation optimal mass transport system by the same consultant by considering the following advantages.

- i. The consultants are same for both the studies so there will be continuity in the study and data integration..
- ii. It would be extension of the present agreement so that delays in fresh tendering process could be avoided.
- iii. If the new consultants appointed considerable time would be lost for understanding the study area which would in turn lead to cost escalation of the project at a later date.

M/s CES have extensive experience in Urban Transport Planning, Traffic engineering, conduct of feasibility studies and preparation of detailed project reports for major transport components. They have been recently involved with preparation of Comprehensive Traffic & Transportation Plans for a number of urban areas and have also prepared the Detailed Project Report for an MRTS project in Thane, Maharashtra for development under BOT.

The Chairman, VUDA in various forums has expressed the need of providing MRTS, LRTS to Visakhapatnam Metropolitan Region to cater to the future traffic


needs of this Metropolitan Region which can be undertaken only after conducting the detailed feasibility studies.

It is approximately estimated that undertaking the above two phases by appointing M/s CES will cost about Rs.6.5 million and Rs.8.5 million respectively. It is suggested that, the Phase A study may be undertaken first and based on findings of this study, work on preparation of Detailed Project Report may be initiated subject to approval of Government of A.P. for the project.

In view of the above, the matter is placed before the VUDA Board for taking a decision.

**VUDA RESOLUTION NO. 187, DATED 24-2-04**

Resolved to approve the proposals for undertaking extension of MasterPlan study prefeasibility study of proposed Mass Rapid Transit system (MRTS) for Visakhapatnam Metropolitan Region Phase A study first and based on findings of the study work on preparation of Detailed Project Report may be initiated subject to approval of Government of A.P. for the project by appointing M/s. CES at a cost of Rs.6.5 million.



CHAIRMAN.