Contributions Of The Present Research Work
CONTRIBUTIONS OF THE PRESENT RESEARCH WORK

The researcher was registered for Ph.D. with Sant Gadgcbaba Amravati University. The research work was initiated way back in 1997 and the first paper on the subject was published in the proceedings of International conference organised by Indian Institute of Technology, New Delhi, in 1998. It is worth mentioning that the research article (Ref. 1.3.1,1) has been referred by Gohary a researcher in Egypt, who is working on airlift pump. A copy of his letter is attached in the annexure-IV (page not6) The research has resulted in various positive contributions at various levels, which are enlisted below.

1.1) Establishment of Research Facility:

The research facility of Centre for Advanced Fluid Flow Computing (CFD) is established at the research laboratory of Mechanical Engineering department of Shri Sant Gajanana Maharaj College of Engineering, Shegaon. The AICTE, New Delhi has released the grant of Rs. 8.75 Lakhs for this research project under the scheme TAPTEC. (F.N. 8021/RID/NPROJ/TAP-195/2002-03). The author of the thesis Mr. G. K. Awari was the Principal Investigator for the execution of the project. This is a unique facility in the Sant Gadgcbaba Amravati University, Amravati.

1.2) Patents:

The patent (provisional specification) was filed for devising a new method of injecting the air in the rising main by developing a new design of the foot piece. “(SPN) Injecting Device to improve the performance of Airlift Pumps”.

Dated 20\textsuperscript{th} April 2006 Time:3:42:32 PM
1.3) Publications:

1.3.1) International Journals:


   Paper No: FDMP20060506056 dated 6 May 2006. (Two reviewers have given the acceptance for publication subject to minor revision. The paper is under revision and a copy of web site information is attached in annexure-II).

1.3.2) International Conferences:


1.3.3) National Conferences:


1.4) Article in the Press:

The following papers are under review for various journals and it is expected to be published in the forthcoming issues of the journals.

Ref No: PE 1541 Date 4 Aug '2006. (A copy of the letter is attached in annexure -III)