

## EXPERT'S PROFILE

**Name of Grantee** : Dr. Ronaldo G. Maghirang  
**Area of Expertise** : Air Quality Assessment/ Management  
**Inclusive Date of Contract as BSP Awardee** : 18 June – 27 July 2012  
(Short -Term Program)  
**Host Institution** : Mariano Marcos State University  
Environmental Management Bureau-DENR  
**Contact Number** :  
**E-mail Address** : ` rmaghir@ksu-edu

### EDUCATIONAL BACKGROUND

- **PhD in Agricultural Engineering**, Pennsylvania State University, USA, 1992
- **MS in Agricultural Engineering**, University of the Philippines Los Baños, 1986
- **BS in Agricultural Engineering**, (*magna cum laude*) University of the Philippines, 1982

### WORK EXPERIENCES

- 2004-Present Professor, Department of Biological and Agricultural Engineering  
Kansas State University, Manhattan, KS, USA
- 1994- 2004 Assistant and Associate Professor  
Kansas State University, Manhattan, USA
- 2006-2007 Special Assistant to the Dean  
College of Engineering, KSU
- Fall 2000 Visiting Scientist, Veterinary Programs in Agriculture and Dept. of Agricultural  
Summer 2002 Engineering, University of Illinois at Urbana-Champaign, Urbana, Illinois

### To be Accomplished as a BSP Awardee:

Conduct preliminary assessment of environmental and air quality issues in various MMSU facilities/set – ups and workplace for bio-fuel projects;

Give special lectures on environmental and air quality for EMB and MMSU technical personnel and staff;

Establish collaboration with MMSU faculty/staff to develop a joint R&D proposal related to environmental and air quality assessment for external funding in consonance with the duly forged MOU between MMSU and KSU;

Initiate programs for MMSU manpower development student exchange in accordance with the MOU of MMSU and KSU;

Provide assistance in setting up a facility/ laboratory for air quality assessment both for EMB and MMSU;

Help establish possible localization of simple gadgets for the measurement of air pollutants like PM25, PM10, SO2 and O3.

