

# Contents

<b>Name</b>	<b>Affiliation</b>	<b>Title</b>	<b>Page</b>
Eng. W J L S Fernando	President Elect The Institution of Engineers, Sri Lanka General Manager Ceylon Electricity Board	Introduction	1
Eng. Marlon Fernando	Project Manager (Hydro Mechanical Works), Upper Kotmale Hydropower Project Ceylon Electricity Board	Turbine Selection Upper Kotmale Hydropower Plant	7
Eng. T Namba (MHI)	Manager of Water Turbine Design Section III, Hitachi Mitsubishi Hydro Corporation	Turbine Design for Upper Kotmale Hydropower Plant	16
Eng. M Iori (J-Power)	Deputy Project Manager of UKHP, J-power, Japan	Generator Design for Bidding Purpose on Upper Kotmale Hydropower Project	23
Eng. S L M Siyabudeen	Chief Engineer, Upper Kotmale Hydropower Station, Ceylon Electricity Board	Special Features of Generators and Transformers of Upper Kotmale Hydropower Project	29
Eng. W J L S Fernando	General Manager, Former AGM (Projects), Former Project Director (UKHP), Ceylon Electricity Board	Optimization tool for Maximizing Hydropower Generation of Upper Kotmale Hydropower Plant "HydroPLUS"	36
Eng. M H D Wimalaratne	Electrical Engineer (C&I) Upper Kotmale Hydropower Station, Ceylon Electricity Board		

<b>Eng. L R Peiris</b>	<b>Electrical Engineer(Maintenance), Electrical Engineer(Operations) Upper Kotmale Hydropower Project, Ceylon Electricity Board</b>		
<b>Eng. N S M Ekanayake</b>	<b>Planning &amp; Monitoring Engineer, Upper Kotmale Hydropower Project, Ceylon Electricity Board</b>		
<b>Eng. N D Subasinghe</b>	<b>Electrical Engineer(Operations) Upper Kotmale Hydropower Station, Ceylon Electricity Board</b>		
<b>Eng. H H S Rathnasiri</b>	<b>Electrical Engineer(Operations), Upper Kotmale Hydropower Station, Ceylon Electricity Board</b>		
<b>Eng. T Namba(MHI)</b>	<b>Manager of Water Turbine Design Section III, Hitachi Mitsubishi Hydro Corporation</b>	<b>Vibration Analysis of Hydro Mechanical Structure Upper Kotmale Hydropower Plant</b>	<b>44</b>
<b>Eng. T Selvajane</b>	<b>Project Manager(Main Civil Works), Upper Kotmale Hydropower Project, Ceylon Electricity Board</b>	<b>Main Features of Civil Structure in Upper Kotmale Hydropower Project</b>	<b>50</b>
<b>Eng. K Tada(J-Power)</b>	<b>Professional Engineer, JP(Civil), Acting Director(Civil), Chigasaki Research Institute, Research &amp; Development Dept. JPOWER, Japan</b>	<b>Vibration Analysis of Civil Structure</b>	<b>57</b>

<b>Eng. W J L S Fernando</b>	<b>General Manager, Former AGM (Projects), Former Project Director (UKHP), Ceylon Electricity Board</b>	<b>Resettlement experience in Upper Kotmale hydropower project</b>	<b>63</b>
<b>Eng. R S W Wagarachchi</b>	<b>Project Manager(Preparatory Works), Upper Kotmale Hydropower, Ceylon Electricity Board</b>		
<b>Mr. S Serasinghe</b>	<b>Resettlement Advisor, Upper Kotmale Hydropower, Ceylon Electricity Board</b>		
<b>Mr. V Chandrasekaran</b>	<b>Assistant Resettlement Officer, Upper Kotmale Hydropower, Ceylon Electricity Board</b>		
<b>Mr. S Serasinghe,</b>	<b>Resettlement Advisor, Upper Kotmale Hydropower, Ceylon Electricity Board</b>	<b>Environment protection of Upper Kotmale hydropower project</b>	<b>78-89</b>
<b>Mr. W A M W Abeyasinghe</b>	<b>Environment Officer, Upper Kotmale HPP, Ceylon Electricity Board</b>		
<b>Mr. V Chandrasekaran</b>	<b>Assistant Resettlement Officer, Upper Kotmale HPP, Ceylon Electricity Board</b>		