Form No: PH13 INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES) DHANBAD

## **CERTIFICATE FROM THE SUPERVISOR(S)**

(To be submitted at the time of Thesis Submission)

This is to c	certify that	the thesis er	ntitled	··							
									"	being s	ubmitted
to the	Indian	Institute	of	Technology	(Indian	School	of	Mines),	Dhanbad	by	Mr/Ms
	, Ad						mission No, for				
the award	of Doctor	r of Philoso	phy (F	Ph.D.) Degree	is a bonafi	de work ca	arried	out by hin	n/her, in the	Depar	tment of
						, II	T (ISI	M), Dhanba	d, under my/	our suj	pervision
and guidar	ice. The th	esis has fulfi	illed al	l the requireme	ents as per th	e regulatio	ons of t	this Institute	e and, in my/	our opi	nion, has
reached th	e standard	l needed for	subm	ission. The res	ults embod	ied in this	thesis	have not b	been submitt	ed to a	ny other
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Signature of Supervisor (s)

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