

TRAINING COURSE SUMMARY SHEET



HARDDISK2:Users:sveinstoveland:Dropbox:Hydrogeology Afghanistan (1):Trainig_capacitybuilding:Summary sheet total station 5.6 SS.docx

Course title:		<i>Course no: 5.6</i>	
Practical training course for Total Station surveying.		<i>Date drafted: 29 April 2013</i>	
- first draft			
Training purpose	<p>To train engineers in the water sector and in MRRD in particular to use total station for surveying for water supply network and pipeline design.</p> <p>The training should make the engineers aware of the potential surveying tool total station represent and how this could be used for preparing a site map and later using the same instrument to set out layout designs or pipe networks in housing areas.</p>		
Target group	Water engineers, surveyors who are actively involved in survey and planning of water facilities.	Participants from RuWatSIP, MRRD, Gov., NGOS and private sector	
Course details:	Course language(s) English / Dari		
	Duration (days); 6 Days	No. participants/ course: 10- 15	Theoretical / practical in RuWatSIP MRRD
	Planned course location(s) Kabul , MRRD compound	Responsible presenter Engineer Pervaiz Ahmad Naseri	Hand-outs to be prepared by: Presenters
Summary syllabus	<p><u>CONTENT</u></p> <p>The first two days will be used to make all familiar with GPS registration and learning about the different coordinates use for different purposes such as in Google earth and UTM and other system. The participants will learn how to convert coordinates to be used between the different systems.</p> <p>All participants will be trained how to use the total station instrument. The instruments available will be Sokkia, SET 2x with dual displays. All should know how these instruments are used.</p> <p><u>Practical training</u></p> <p>The participants will be given the task to prepare a layout map for sections of the MRRD compound. Based on the data collected the maps should be drawn.</p> <p>With the layout maps prepared the participants will set out designs made in the training room and use the total station to set this out in different sections within the MRRD compound.</p>		
Training equipment required	<p>2 sets total station, SOKKIA SET 2x, dual display.</p> <p>Access to conference room at RuWatSIP for theoretical training</p> <p>Trainer needs assistant to facilitate the course implementation</p>		
Training material	To be circulated		
Field/practical training.	Practical training in MRRD compound using the total station		
Time/Location	25 th JMay 2013 , 36days duration, MRRD RuWatSIP.		
Prepared by	Prepared by: Dr. Stoveland/		

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Follow up course(s) could be planned or needed