

MOLLASADRA DAM – I.R. IRAN

Project Name	Mollasadra Dam
Purpose of the project	Agricultural & Energy production
Project location	IRAN – FARS
Client	FARS Regional Water Authority
Contractor	Melli Sakhteman. Co
Dam Type	Earth Fill Dam With Clay Core
Height above foundation	72 m
Crest level (above sea level)	2122 (m)
Crest length	630 m
Capacity of the Reservoir	440,000,000 m³
End of construction	January 2006

GENERAL VIEWS OF THE DAM



INSTRUMENTS INSTALLED

Instruments The installation started during may 2004 and according to the dam construction schedule was terminated on construction underway	
V.W. Piezometers	No. 14 (Sisgeo models PK45S)
V.W. Pore pressure transducers	No. 33 (Sisgeo model PK45A)
V.W. Earth pressure cells	No. 42 (Sisgeo model L143D)
Inclinometer-settlement casings	No. 8 (Sisgeo S141 flush coupled ABS casing)
Magnet rings	No. 140 (Sisgeo model S131AF60000)
Inclinometer probe with portable readout unit	No. 1 (Sisgeo model S242SV30)
Reservoir water level pressure transducers	No. 1 (Sisgeo model P252R)
V-notch weir for seepage monitoring	No. 5 (Sisgeo model QV45LS)
Staff gauges	70 meters
ADK-10 Automatic Data Acquisition System	No. 1 cabinet (Sisgeo model ADK10CAB) with no. 5 multiplexers (no. 160 channels)
Casagrande piezometers	No. 20 (Sisgeo model P101)
Bench marks	No. 30
Accelerographs	No. 3 (Syscom)
Instrument status	On NOV 2005 81 % of the instruments have been instaled
	Courtesy of FARS Regional Water Authority



Installation of earth pressure cells in two directions



Test of inclinometer casing with dummy probe

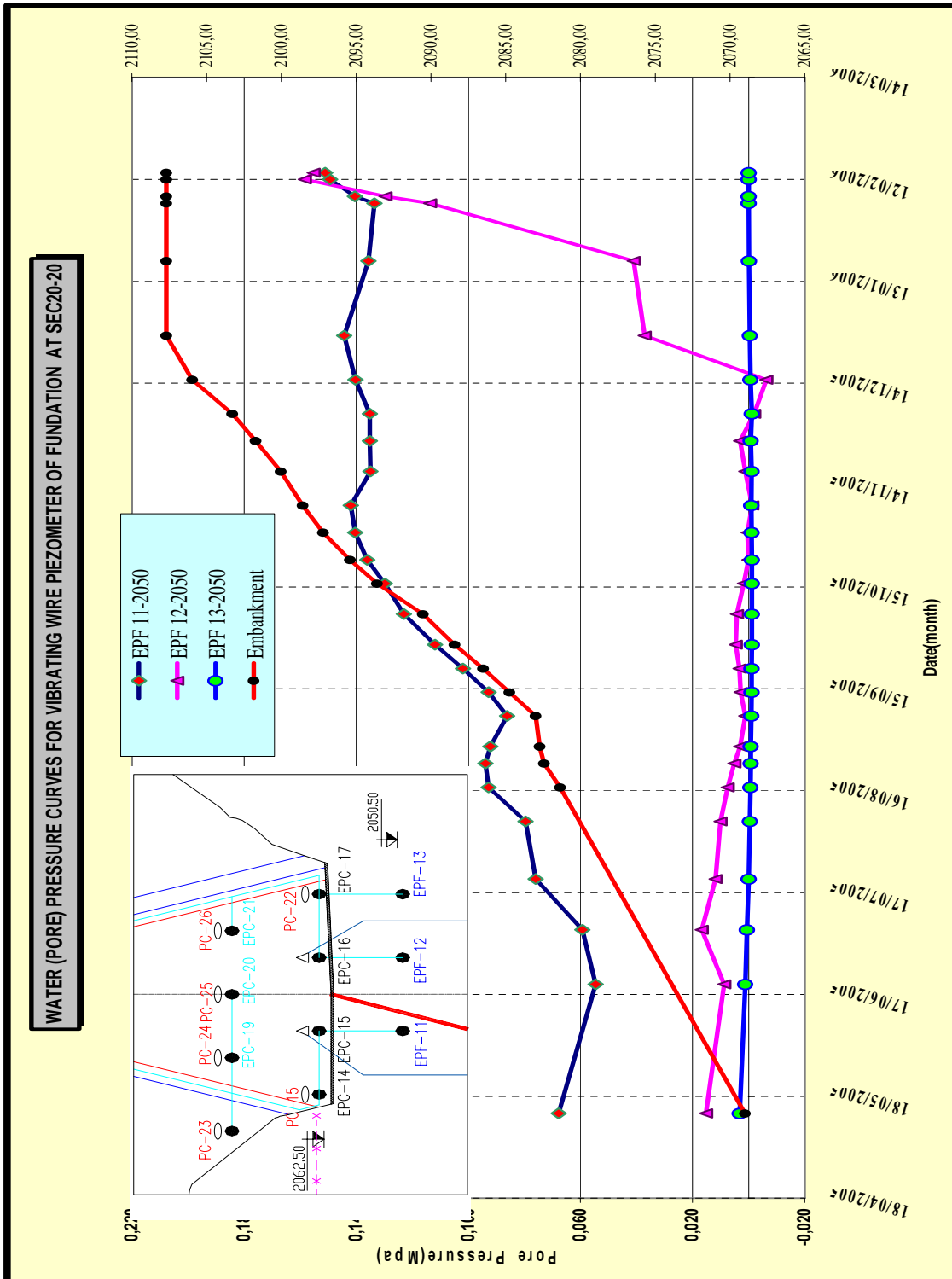


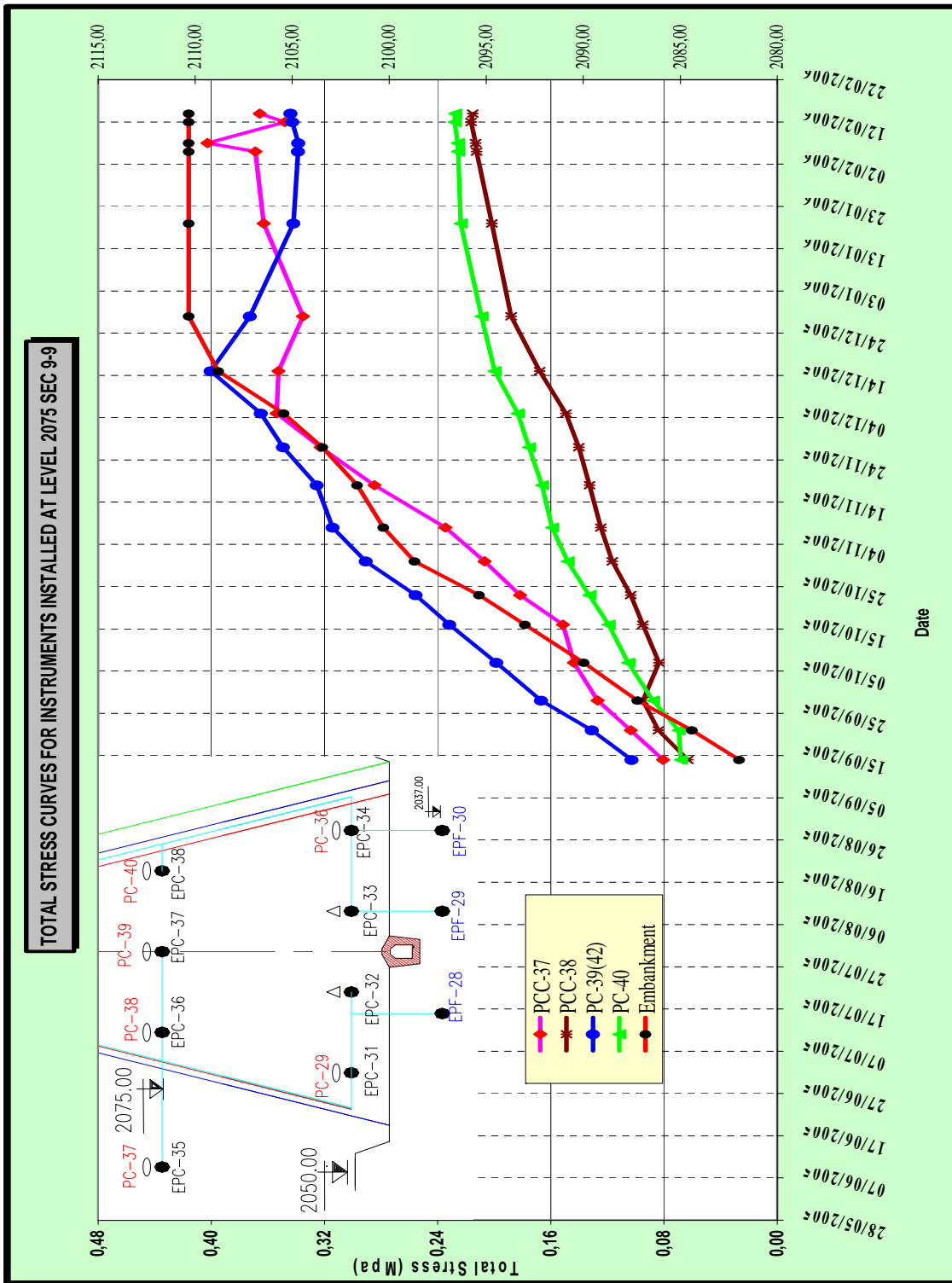
Installation of earth pressure cells



Compaction of sand after earth pressure cells positioning

MEASUREMENTS AND DATA PROCESSING





MAGNETIC SETTLEMENT of INC-3

