



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2015_BJAST_17358
Title of the Manuscript:	STRUCTURAL BEHAVIOR OF WEIRS WITH BOTTOM CIRCULAR OPENINGS
Type of the Article	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Most of the previous comments in the last review (including major difficulties and challenges, your original achievements to overcome them, justifications of method and key parameters, rationale on the choice, sensitivities, justifications of assumptions, etc.) have not been addressed satisfactorily. Appropriate revisions to the points raised in the last review should be undertaken in order to justify recommendation for publication.	Major difficulties and challenges are now clarified. The main goal is now clarified in "Aims part" in Abstract. The main challenges faced during the CFD modeling was the instability of the model related to the choice of the turbulence model and the proper simulation of the open channel flow to permit getting relatively smooth VOF correctly representing the gas / liquid interface. The above mentioned modeling choice enabled the authors to resolve the instability and the interface problems. The above statement is now added to the manuscript. Justifications of using FSI simulation are now illustrated. The choice of modelling parameters and schemes is now clearly stated in the manuscript. Weir dimensions and diameter of openings were chosen to represent the different weirs / bottom openings configurations prevalent in Fayoum region. This is explicitly mentioned now in the manuscript. Justifications of assumptions used in fluid model and structural model are clarified.