



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_39377
Title of the Manuscript:	A new formulation to calculate effective tension in large pipeline free spans
Type of the Article	Method Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	The numerical simulation method used for validation should be illustrated more clearly, for instance, which method is chosen, the theory and simplified assumptions of the method, and its reliability and weaknesses.	We added a mention to the nonlinear solution method and the required information about the simplified assumption adopted in the formulation.
<u>Minor</u> REVISION comments	Fig. 2 seems to be a little confusing. At least I cannot find the dashed black line, which represents the undeformed effective tension, in the figure.	We have improved Fig. 2 and added an equation (Eq. 20) to clarify the proposed Design Sequence.
<u>Optional/General</u> comments	This manuscript proposed an approximate formula to calculate the effective tension in large pipeline free spans, derived the theoretical method and did some numerical simulations with further discussions. In addition, as shown in the manuscript, the results seem to be of good quality, and the method may be useful and efficient in applying. In my opinion, the logic of it is clear and convincing, the quality of this manuscript is "Good".	