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Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_8650
Title of the Manuscript:	Trend Analysis of Temperature Series by Mann Kendall Test - A Case Study of Upper Ganga Canal Command (1901 - 2002)
Type of the Article	<u>Original Research Article</u>

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.

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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)
Compulsory REVISION comments	Type of sensors, range, accuracy and other specifications should be provided for all the sites. Annual trends of max, min and average temperature should be included and monthly linear trends should also be presented.	As mentioned in the Acknowledgement Section of the paper, the data was procured from the Indian Water Portal, which does not mention the sensors used or their range and accuracy for different stations. Tables 2a, 2b and 2c mention the annual, seasonal and monthly trends for the maximum, minimum and average temperatures, respectively, of all the stations. Reasonable comparison data has been reflected upon in the Result section of the paper.
Minor REVISION comments	Why the authors have used 9 decimal places in Tables 1 to 3? The trends should be compared with exiting trends in similar conditions and the region. Review the following papers also: 1. McVicar, T.R., Roderick, M.L., Donohue, R.J., Li, L.T., Van Niel, T.G., Thomas, A., Grieser, J., Jhajharia, D., Himri, Y., Mahowald, N.M., Mescherskaya, A.V., Kruger, A.C., Rehman, S., and Dinpashoh, Y. (2012) Global review and synthesis of trends in observed terrestrial near-surface wind speeds: Implication for evaporation. Journal of Hydrology, Vol. 417 – 417, pp. 182 – 205. (JIF=3.271) 2. Rehman S. (2010). Temperature and Rainfall Variation over Dhahran, Saudi Arabia, (1970 - 2006),	Values up to 9 decimal places were computed for increased accuracy of the result. Similar work has been initiated for determining the existing trend. Data beyond 2002 is beyond the scope of discussion of this paper.



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	International Journal of Climatology, 30(3), pp. 445 – 449. (JIF=2.906) 3. Rehman S. and El-Gebeily M. (2010). Variation of Meteorological Parameters over Saudi Arabia, (1970 - 2006), World Journal of Science, Technology and Sustainable Development, v. 7(2), pp. 191 – 216. 4. Rehman S., Al-Hadhrami L. M., and Khan S. (2011). Annual and seasonal trends of cooling, heating, and industrial degree-days in coastal regions of Saudi Arabia, Theoretical and Applied Climatology, Vol. 104, pp. 479 – 488. (JIF=1.942) 5. Rehman S. and Al-Hadhrami L. M., (2012), Extreme Temperature Trends on the West Coast of Saudi Arabia, Atmospheric and Climate Science, v. 2, pp. 351 – 361. 6. Rehman S., Al-Hadhrami L. M., Mohandes M. A., (2012). Extreme Temperature Variability over High Topography, Open Journal of Air Pollution, v. 1(1), pp. 1-11.	
<u>Optional/General</u> comments	The contents of the paper are sound. The authors have described the methods and results very well. They need to add some more international trends analysis in their review.	The paper has been developed on a very regional level to determine the accuracy in the obtained result, which conforms to recent studies. The same approach has been adopted to develop a trend for a larger area. The scope of the paper is limited only to the Upper Ganga Canal Command area at this point, which includes the analysis of four stations only.