

REVIEWER'S REPORT

Manuscript No.: IJAR-58877

Title: HYDROLOGIC-HYDRODYNAMIC ASSESSMENT OF DESIGN PEAK DISCHARGES USING THE EPA SWMM,

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision ...✓.....

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality			✓	
Clarity		✓		
Significance		✓		

Reviewer's ID: JPR- DR PRITI GUPTA

Detailed Reviewer's Report

- "EPA S.W.M.M." and "S.W.M.M." should preferably be standardized as **EPA SWMM** throughout.
- The abstract is largely a description of SWMM rather than a summary of the actual study. It should emphasize the **study area, methodology, key numerical findings, and engineering conclusions**.
- • The keywords should better reflect the paper,
- The manuscript should cite more recent literature in addition to the older SWMM references.
- The five infiltration models are described in considerable detail; this section could be shortened and focused on the method actually used.
- • The IDF figure should have readable axis labels and legends. The current extracted representation is difficult to interpret.
- All figures should be provided in high resolution.
- The large drainage-network figure should include a legend, north arrow, scale, and clear flow directions.
- The numerous labels such as P.K. and P.L. should be explained.
- Units should be standardized throughout the manuscript.
- The manuscript should clearly distinguish between **rainfall intensity, rainfall depth, runoff rate, and discharge**.
- The pump start/stop elevation table should include the corresponding operating sequence.
- The water-level results should include units and reference datum.
- The manuscript should report the simulation time step.
- The source and quality of all model input parameters should be identified.
- The conclusion should avoid claiming "more accurate" unless supported by observed-data validation.
- The reference list is very short, containing four cited references, including the SWMM User's Manual and rainfall manual. A substantially broader and more recent literature review is recommended.
- Reference formatting should be standardized.
- The manuscript requires careful English-language editing for grammar, punctuation, spacing, and technical terminology.