**HELP FILE “STAB”**

* Double click on “STAB.exe” to start the program.

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* Click on “Proceed”

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* Choose gradation (For Highway Construction in India, few common gradations as per MoRTH has been provided. For any other custom gradation choose **“Other”**)
* Enter the number of stocks (any value between **2-5**)

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* Enter the “Number of Sieves” (It can be any number depending on the specific gradation)

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* Enter the “lower bounds” and “upper bounds” values as per the outlined specification.
* For the chosen number of stockpiles enter the weight retained based on sieve size distribution in laboratory
* Also include the weight retained on “Pan”
* The image below shows an example of dense bituminous concrete (commonly used in India for surface courses)

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* Hit “Calculate” and “Wait” [*The black console window has been provided for “Windows version” indicating the progress of the program*].
* Please note that the waiting time will vary depending on the working system and number of stockpiles. Please be patient and let the program complete.

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* After the completion of data processing, “Number of Solutions” and “Best Solution” will be displayed. The “Best Solution” is obtained by minimizing the least square error corresponding to the mid-point gradation.
* A report file is also generated with “all the possible solutions”. The file can be found in the “reports” folder as Report.txt
* Please note that the possible solutions generated are sorted corresponding to the “errors” in ascending order.

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It is recommended that the program be run on a system with atleast 4 GB RAM (for better speed).

For any further queries kindly contact:

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