**SERKO WEB API Documentation – V1**

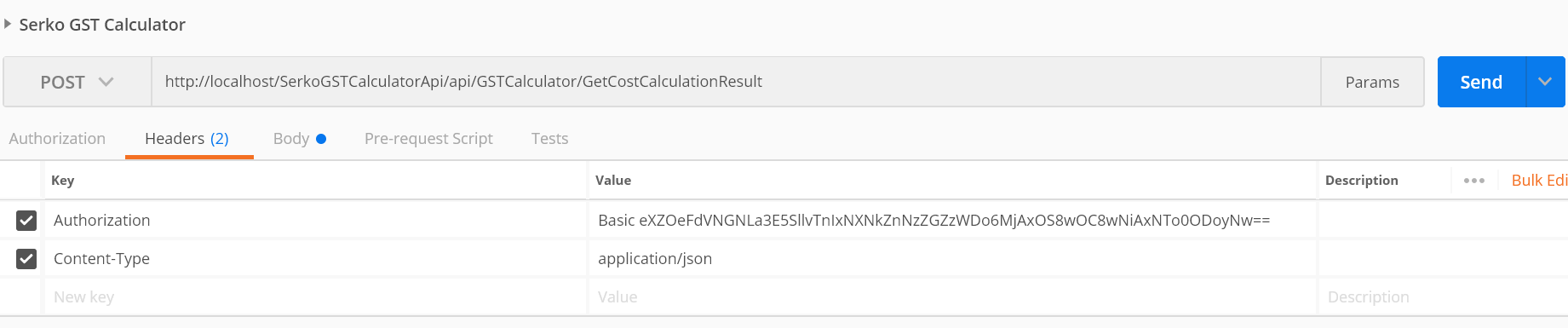
**Introduction :**

The Serko Web API service provides REST-ful API’s to get the cost calculation results.

|  |  |
| --- | --- |
| URL | <http://localhost/SerkoGSTCalculatorApi/api/GSTCalculator/GetCostCalculationResult> |
| **METHOD** | POST |
| **HEADERS** | For security purposes an “Authorization” object is used. The value of the object is calculated based on .Net Core Basic Authentication method.  Below is the format for specifying the “Authorization” key :  **Authorization : Basic eXZOeFdVNGNLa3E5SllvTnIxNXNkZnNzZGZz**  The key is built in below format :  **{{SecretKey}}{{::}}{{TimeStamp}}**   * **{{SecretKey}}** - Secret key is the authentication key shared separately via email. You can find the value from appsettings file * **{{::}}**  - Delimiter separating the two values * **{{TimeStamp}}** - Current time stamp value   For Example : **abcSecretKey:: 2019/08/06 15:48:27**  Finally the UTF-8 encoding is applied and the resultant value is converted to Base64 format.  {{AuthorizationToken}} : **Convert to Base 64 ( Encode to UTF-8 ({{SecretKey}}{{::}}{{TimeStamp}} )**  Hence the Authorization key is , Authorization : **Basic {{AuthorizationToken}}**  You may use <https://www.base64encode.org/> to convert the date to base64. |
| **INPUT DATA** | {  "MailText": "Input text",  "TimeStampValue": "2019/08/06 15:48:27",  "GSTPercentage": "10",  }   |  |  |  | | --- | --- | --- | | INPUT | REQUIRED | DATA DESCRIPTION | | MailText | Yes | String in either format :   * Embedded as ‘islands’ of XML-like content * Marked up using XML style opening and closing tags | | TimeStampValue | Yes | Date Time value | | GSTPercentage | Optional | Double Value.  By default, GST rate of 10 is applied to calculate the total cost. | |
| **OUTPUT DATA** | {  "responseCode": 2000,  "message": "The total cost of the product is {{Total Cost}}. For the given GST% Rate of  {{GST % Rate}}% applied, the total GST added is {{GST Added}} . The original  cost of the product without GST is {{Total Excluding GST}}",    "data":  {  "gstCost": 133.57,  "costExcludingGST": 890.44  },  "inputText": "Input Text"  } |
| **SUCCESS CODES** | |  |  | | --- | --- | | RESPONSE CODE | DESCRIPTION | | 2000 | Success. The cost calculation was successful and returns the following data.  “gstCost : Double value giving the total GST added.  “costExcludingGST”: Double value giving the original cost  of the product without GST. | |
| **ERROR CODES** | |  |  | | --- | --- | | RESPONSE CODE | DESCRIPTION | | 1001 | Sorry for the inconvenience caused. Please contact the admin. | | 1002 | Cost of Product cannot be zero | | 1003 | Sorry! The given text is in the wrong format. | | 1004 | <total> does not exist in the given text | | 1005 | Sorry! There is no text to process. | | 1006 | TimeStamp error! Timestamp data is missing. | | 1007 | TimeStamp error! Sorry, the timestamp provided is invalid. | |

**Postman Screenshot**

**Headers**



**Body**



**Output**

