

Software Products				Gem3.0
Major Product Category - Industry specific software ( UNSPC Code:43232600 )				
Product Name - Automated Building Permission Software(UNSPC CODES:43232620 )				
BASIC INFORMATION				
S.NO	KEY	TYPE	RESTRICTIONS	PARAMETERS
1	Software Domain / Type	Enumerable	Automated Building Plan Scrutiny and Permission Software	Golden
2	Type of Licence	Enumerable	1. Perpetual 2. Subscription	Golden
3	Type of Perpetual Licence	Enumerable	1. Project Wide : Perpetual licence covered for the entire spectrum of the organization/project/initiative. 2. Domain Wide : Perpetual licence covered for the maximum number of users. 3. Tenure Wide: Perpetual licence covering entire spectrum of organization/ project/ initiative with customization requirements during the project period including support period. 4. NA	Golden
4	Number of users covered by license in the offered product	Enumerable	1.Limited 2. Unlimited 3. NA	Golden
5	If limited, then indicate number of users (unit = number ) (Hint : Select '0' if not applicable)	Measurable	$N \geq 0$	Golden
6	Duration of support period for Tenure Wide Perpetual licence	Enumerable	1,2,3,4,5, 6,7,8,9,10,NA	Golden
7	Duration of subscription (in years)	Enumerable	1,2,3,4,5, 6,7,8,9,10,NA	Golden
8	Deployment option	Enumerable	1. On Client Server 2. On Cloud	Golden
9	Name of Software	Text		Mandataory
10	Name of the OEM	Text		Mandataory
11	OEM Model / Part No.	Text		Mandataory
12	Brief Description of the product	Text		Mandataory
13	Software Version and Date of Launch	Text		Mandataory
14	No. of days Training Provided at Site	Enumerable	0, upto 5, 6 to 10, 11 to 20	Golden
15	Number of Years upto which Support is available from OEM / Seller	Enumerable	1,2,3,5, 6, 7, 8, 9, 10	Golden

16	Provision of Listing of Organization/ DTCP offices and all Authorities	Boolean	Yes, No	Golden
17	If Yes, then Number of Organisation / DTCP Offices can be listed (Hint: Select'0' if not applicable)	Numeric	0-500	Filter (Higher is better)
18	If Yes, then Number of Authorities Name can be listed (Hint: Select'0' if not applicable)	Numeric	0-10000	Filter (Higher is better)
19	Provision for dashboard list of Organization/ DTCP offices and all Authorities	Boolean	Yes, No	Golden

### GENERIC FEATURES

20	Offered product have modules (Workflow) 1 for	Enumerable	<ol style="list-style-type: none"> <li>1. Online application submission.</li> <li>2. Uploading of relevant document.</li> <li>3. DCR Rules feeding and validation.</li> <li>4. Document validation &amp; scrutiny scans documents and attachments.</li> <li>5. Drawing scrutiny AutoDCR checks compliance to <b>Development Controls/ Building</b> Rules and produces Report.</li> <li>6 Site inspection mobile device integration for site inspection images and reports.</li> <li>7. Payments demand note generation to architect &amp; payment realization.</li> <li>8. Issue of commencement certificate.</li> <li>9. Alerts by SMS &amp; Mail to all stakeholders.</li> <li>10. MIS reports by Mail to all stakeholders.</li> <li>11. Provision for payment gateway integration.</li> <li>12. Provision for digital signature integration.</li> <li>13. Provision for integration with Aadhar number.</li> <li>14. In case of rejection notice to applicant for deficiency/ modification .</li> <li>15. Provision for resubmission of application.</li> <li>16. Provision for review for resubmitted application.</li> <li>17. Provision for Acceptance or Rejection</li> </ol>	Golden (Multiselect)
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### Important Features of Automated Building Permission Software

21	(A) Offered product have Features of	Enumerable	<ol style="list-style-type: none"> <li>(a) Audit logs with time stampings</li> <li>(b) Maintaining Archives</li> <li>(c) Software Integration Interfaces with Clients/ Users Software Applications/ Websites with suitable APIs</li> <li>(d) Pre-requisite validations &amp; logistical checks &amp; reporting discrepancies with regard to Software Integrations</li> <li>(e) Required reconciliation checks &amp; reports</li> <li>(f) Obtain Security Audit Certificate from NICS/ CERT-In empanelled agencies</li> <li>(g) Submit testing approach and plan</li> <li>(h) Unit Testing, System Testing &amp; Performance Testing &amp; Integration Testing, etc</li> <li>(i) Make necessary amendments as required from time to time by organization</li> <li>(j) Scrutiny Engine to be able to scrutinize and report for all types of properties including Industrial, Commercial, Group Housing, Marriage Palaces, etc as per the rules &amp; bye-laws of the organization and amendments from time to time during support period</li> <li>(k) Provide User training manuals &amp; Video Tutorials as ready reckoner for all stakeholder users of the system</li> <li>(l) In case Security Audit is conducted by Client Organization from 3rd Party, issues if any during security audit to be resolved by Supplier of Software.</li> <li>(m) Integration of Building Rules/ Development Controls/ Zoning Regulations as amended from time to time.</li> <li>(n) Integration with respect to Service Drawings as per requirement of</li> </ol>	Golden (Multiselect)
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			Building rules and NBC	
22	(B)Offered prouduct have Features of	Enumerable	<ol style="list-style-type: none"> <li>1. Online filing of applications and supporting documents.</li> <li>2. Perform automated building scrutiny on CAD drawings and also implement building plan approval process as an integrated system.</li> <li>3. Auto-detect of structures in the drawing based on usage (e.g. Residential, Commercial or Residential- Commercial Mixed); and also auto detect high-rise and low-rise buildings.</li> <li>4. Auto generation of FAR, area statement and schedule of opening by reading preformatted CAD drawings.</li> <li>5. Auto-generation of plot area &amp; plot area calculation for cross verification with system entered value by triangulation</li> <li>6. Enable auto hatching of particular objects as per development control rules.</li> <li>7. Enable auto detection of side margins and verification of coverage area.</li> <li>8. Enable auto-generation of failed entity report and marking the same on the drawing.</li> <li>9. Plotting of drawing submitted by Architect and processed through software in non-editable format</li> <li>10. Enable verifications according to project type- building permission or sub-division amalgamation.</li> <li>11. Auto calculations of all type of charges as per building rules/ notification/ office order etc. or as amended from time to time.</li> </ol>	Golden (Multiselect)
23	(C)Offered prouduct have Features of	Enumerable	<ol style="list-style-type: none"> <li>1. <b>Auto-Triangulation</b> :Capable to generate Plot area Diagram by Triangulation Method &amp; Plot Area calculation itself for cross verification.</li> <li>2. <b>Auto-Dimensioning with Block Diagram</b>: Capable to generate Block diagram for each Floor and provide dimensions with Area Calculation.</li> <li>3. <b>Auto-Generation of FAR &amp; Built-up area Table</b>: Automatically insert FAR &amp; Built-up Area Tables with per floor detail for each Building. Same way inserts FAR &amp; Built-up Area Table for whole Project.</li> <li>4. <b>Auto-Generation Plot area Table</b>: Automatically detect the type of layout proposal - amalgamation or subdivision and creates standard area table as per the case.</li> <li>5. <b>Auto-Generation of Area-Statement</b>: Automatically insert Area Statement with all Proposed &amp; Permissible Value in traditional Format.</li> <li>6. <b>Auto-Generation of Schedule of Opening &amp; Parking Table</b>: Automatically insert Schedule of Opening for each Building. Same way inserts Proposed Parking for whole Project.</li> <li>7. <b>Auto-Hatching to Particular Object</b>: Provision for hatching to Particular Objects as described in <b>Development Controls / Building Rules</b> e.g. colored Hatch as per the rules.</li> <li>8. Auto calculations of all type of charges as per building rules/ notification/ office order etc. or as amended from time to time.</li> </ol>	Golden (Multiselect)

24	(D)Offered prouduct have Features of	Enumerable	<ol style="list-style-type: none"> <li>1. <b>Auto-Linking:</b> Auto link objects like each Building with corresponding Proposed Work (Max. coverage Area) drawn in Layout Plan, each Floor Plans with its section, Tank with its Section, Ramp with its Section, Stair, Chowk etc.</li> <li>2. <b>Section reading &amp; Association:</b> Able to read section, associates each floor plan with floor section &amp; gives Ht. of Bldg. &amp; each floor by auto dimensioning.</li> <li>3. <b>Margin Generation:</b> To generate required Margin from Main Road, Plot Boundary, and Open Space etc. itself. Even It shows Proposed Failed Margin with Auto Dimensioning.</li> <li>4. <b>Verification with Actual Coverage Area:</b> Verify Built up Area (Max. Coverage area) Proposed by auto punching of each Floor plan automatically.</li> <li>5. <b>Checking Double Ht. &amp; Verification of Chowk:</b> Able to checks Double Ht. of each Terrace. It verifies each Chowk for its clear Ht. by auto punching of each floor Plan automatically.</li> <li>6. <b>Generation of Scrutiny Reports:</b> To generate the various scrutiny reports dynamically based on the DC Rules described by the respective Authority.</li> <li>7. Generated report shows the Failed/Passed Items with their rules in a very user friendly Viewable/Printable format.</li> <li>8. Reports can also be generated in local regional language.</li> <li>9. Customization of Reports can be made using user defined templates.</li> <li>10. Software reads the building entities from drawings, geometrically map each &amp; every entity by corresponding with complex &amp; interlinked rules.</li> <li>11. After scanning and saving the drawing, scrutiny reports are generated where all failed and passed rules are displayed with required/permisible values with proposed values so that architect can easily correct them.</li> <li>12. <b>Auto calculations of all type of charges as per building rules/ notification/ office order etc. or as amended from time to time.</b></li> </ol>	Golden (Multiselect)
25	(E)Offered prouduct have Features of	Enumerable	<ol style="list-style-type: none"> <li>1. Enable assessment of floor space index violation.</li> <li>2. The offered product have a provision for proper user authentication and access control mechanisms so as to ensure that only authorized users can access relevant information.</li> <li>3. The offered product have a provision for all submissions to be acknowledged and site visit dates and further approval schedule is to be provided to the architects/ client instantly.</li> <li>4. The system automatically generate an SMS which is sent to the Architect and concerned Field staff if there are any cancellations of site visit, the system able to intimate to all stakeholders so as to avoid unnecessary wastage of time. Reasons for such cancellation to be recorded in the system.</li> <li>5. The system able to generate MIS to be sent to higher authorities for approval and to make the approval status available online.</li> <li>6. The client/ Architect to be able to review the status of approval online.</li> <li>7. The acknowledgment letters, Building Commencement Certificate, deviation or the rejection letters etc. to be system generated.</li> <li>8. System able to generate automatically the fee memo/ demand notes based on the submitted Building plan. System to have necessary interfaces for Fee collection and receipt generation.</li> <li>9. System to have for process flow of Plinth and completion certificate approval system. This will include generation of approval / rejection letter, fee memo calculations.</li> </ol>	Golden (Multiselect)

26	(F)Offered product have Features of	Enumerable	<ol style="list-style-type: none"> <li>1. Offered product maintains a DC Rules Database which can be viewed or edited.</li> <li>2. The Rules Database are in electronic format to enable quick search for any item.</li> <li>3. Capable of providing one -stop solution for NOCs from other relevant departments.</li> <li>4. Multi device platform integrating online and offline tools including web portal.</li> <li>5. Configurable rule engine that verifies the CAD drawings automatically.</li> <li>6. Access controlled workflow and document repository.</li> <li>7. Multi agency coordination through mobile app.</li> <li>8. Facilitates anywhere anytime easy access to all participants including citizens.</li> <li>9. System can quickly adapt to regulations specific to regional local body.</li> <li>10. Flow of documents from one desk to another and concurrent work by multiple agencies are supported.</li> <li>11. Citizens able to submit application from home and make online fee payments .</li> <li>12. All Development Authorities with diverse regulations can participate in single system across state.</li> <li>13. All Development Authorities can offer guaranteed service levels to public, while enabling them to track their applications online.</li> </ol>	Golden (Multiselect)
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#### INSTALLATION & COMMISSIONING

27	Installation of the offered product at buyer premises	Boolean	Yes, No	Golden
28	Commissioning of the offered product at buyer premises	Boolean	YES,No	Golden
29	Number of days required in the Commissioning(in Days)	Enumerable	upto 5,upto 10, Upto 20, upto 30,NA	Golden
30	Number of Men power to be deployed at buyer premises for Commissioning( Hint :- Select'0' if not applicable)	Enumerable	0,1,2,3,4, 5,6,7,8	Golden
31	Any other details required for Installation and Commissioning	Text		Mandatory

#### SUPPORTED HARDWARE REQUIREMENT FOR SOFTWARE

32	RAM Size required	Text		Mandatory
33	CPU required	Text		Mandatory
34	Graphic Size Required	Text		Mandatory
35	Operating System Supported	Text		Mandatory
36	Supported Devices	Text		Mandatory
37	Supported Servers	Text		Mandatory
38	Min Processor benchmark score required	Text		Mandatory

**GENERIC PARAMETERS**

39	Training material available in Languages	Enumerable	English, Assamese, Bengali, Bodo, Dogri, Gujarati, Hindi, English,Kannada, Kashmiri, Konkani, Maithili, Malayalam, Manipuri, Marathi, Nepali, Oriya, Punjabi, Sanskrit, Santhali, Sindhi, Tamil, Khasi, Mizo, Telugu and Urdu.	Filter
40	Free Upgradation to Higher Version within support period	Enumerable	Yes	Filter
41	Valid Licence copy to be provided	Enumerable	Yes	Filter
42	Software supplied through	Enumerable	Media,URL Link,Media & URL Link	Filter
43	Installation and Demonstration	Boolean	Yes, No	Golden
44	Hyper link to Data sheet	Text		Mandatory
45	Number of Softwares sold	Numeric	0-10000	Filter
46	Number of User Referance from Government Department where	Numeric	0-1000	Filter
47	Details of Government Department email, phone no. of concerned authority where Software installed for above	Text		Mandatory