

WEBEL TECHNOLOGY LIMITED

CORRIGENDUM - III

Tender No. WTL/NKGS/ICCC/20-21/013 dated 18.12.2020

1. Bill of Material (Section – H) has been revised. Revised Section – H is given below:

SECTION - H

BILL OF MATERIAL

SL#	Section	Item Description	UOM	Qty
1	Hardware	Local Application Aggregating Device	Nos.	5
2		Local Application Buffer NAS	Nos.	1
3		Local Area Networking & Routing - Redundant L3 Switch and Routing Devices - LAN Distribution Switch - Wire Less Controller (WLC) & Access Points for Command Centre, Conferencing & Training Room	Nos.	1
4		55-inch Video Wall with Controller & Accessories	Nos.	36
5		Call Centre and Support System Hardware per person	Nos.	4
6		Anti-room Conferencing System with 4 Screen Video Wall & VC Setup & Furniture & Acc.	Nos.	1
7		Room Infra and Interior Readiness -Wall -Ceiling -Carpet -Furniture -Civil -interior - Requirement of 1 unit of Projector for Training purpose	Job	1
8		Smart Server Rack	Nos.	2
9		A3 Multi-Function Colour Printer	Nos.	2
10		Monitoring Work Stations	Nos.	10
11		Monitoring Laptops	Nos.	5
12		Security Systems and Firewall	Nos.	1
13		Precision Aircon for UPS Room	Nos.	2
14		UPS And Power Regulation Equipment	Nos.	1
15		Fire, IBMS, Biometric, CCTV	Nos.	1
16		Electrical Fittings and Setup	Job	1

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17.a		100 Mbps Internet Leased Line Connection per Year	Nos.	3	
17.b		Process Procurement Charges for Internet Leased Line	Nos.	1	
18		12-core Outside Plant OFC Cable & Laying - from State Data Centre to NKDA New Admin Building	Nos.	1	
19		Cyber Security Package and Quarterly Audit and Certification per Year	Nos.	3	
20		Recurring Communication Channels like SMS, EMAIL, Phone & Others recurring per Year Cost	Nos.	3	
21	Integration	Video Wall Integration, Installation & Testing	Job	1	
22		Call Centre Hardware Integration with Communication Channels	Job	1	
23		Network Side basic Wire Laying	Job	1	
24	Software	Sr. Developer (3-4 Yrs Ex)	Man Months	12	
25		Developers (0-2 Yrs Ex)	Man Months	12	
26		Tester (2 Yrs Ex)	Man Months	12	
27		Quality Expert	Man Months	4	
28		Documentation Expert	Man Months	8	
29		UI Designer	Man Months	12	
30		Principle Solution Architect	Man Months	4	
31		IoT Solution & Architecture Expert	Man Months	6	
32		Data Science Consultant	Man Months	3	
33		Database System Admin	Man Months	8	
34		Offshore Developer for API collection	Man Months	8	
35		Middleware - DB cum API Developer (min 3 yrs Ex)	Man Months	16	
36		Sr Application Developer with Experience in Mobile app (Min 5 yrs Ex)	Man Months	6	
37		Sr Application Developer with Experience in Mobile app (Min 3 yrs Ex)	Man Months	9	
38		ICCC Smart City Platform - Perpetual License	Unit Licence	1	
39		All 3rd Party License Cost including GIS Platform, Maps, OTC Software per Year	Year	3	
40		Future Silo solution Integration per Solution	Total No. of Silo Sols	36	
41		Operations & Maintenance	RECURRING COST AMC COST For 0-12th Month	Months	12
42			RECURRING COST AMC COST For 13-24th Month	Months	12
43			RECURRING COST AMC COST For 25-36th Month-Next Year	Months	12
44	Extended Technical Support for 0-12 th Month		Months	12	
45	Extended Technical Support for 13-24th Month		Months	12	
46	Extended Technical Support for 25-36th Month		Months	12	

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2. BOQ has been revised.

3. Query Response

S.L no	Section No	Clause no	Page no	Queries	WTL Remarks
1	Network Connectivity on Lease	The MSI shall in consultation with NKGCCCL select a telecom operator who can provide the requisite city network backbone and managed infrastructure that will enable connectivity across all field devices, sensors, ICCC and DC & DR on lease basis.	25	<p>We understand that the MSI is expected to connect the ICCC @ NKDA New Admin Building to the SDC at Manibhandar using the 12core OFC link.</p> <p>1. What is the purpose of this lease? We assume that the existing systems / solutions are already connected to the SDC via a network.</p> <p>2. If the solutions are not connected, how are they communicating with their respective applications in the SDC</p> <p>3. Can a point to point RF link be used to connect the ICCC to the SDC</p>	As per State IT regulation any department extending or using IT solution need to be accessed or routed through SDC. OFC is Mandatory. RF Link not acceptable
2	Indicative Solution Architecture	Server Infrastructure to be Augmented from SDC, Manibhandar	32	As per RFP we need to augment with present SDC through Fiber Cabling, please let know do we need to consider hardware like Rack, its Cabling, Industrial Sockets etc.	All ins cope of bidder, including any other associated cost of fibre laying with operations and maintenance.

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3	Continuation of Section - I Technical Requirements for ICCC: IT Components	Space Upgradation & Work	75	<p>Please confirm us on below points,</p> <ol style="list-style-type: none"> 1. please let know if we need to provide projector etc for Training. 2. please let us know the no of seating capacity required for training. 3. As per present site, we see water based fire fighting system with sprinklers are already installed across all areas, please let know if we need to provide electronics cum IT safe fire suppression system for same? 4. Also at site already fire alarm detectors are installed, please confirm us if we need to provide dedicated fire alarm system with detectors, devices etc for ICCC? 5. Presently at site already flooring & False Ceiling is done, do we need to modify same as per requirement of ICCC? 	<ol style="list-style-type: none"> 1. Projector - Yes 2. Workstations in front of Main Video Wall - 10 Nos (Minimum) + 50 Foldable Chair. 2a.) Make of WorkStation and all Furnitures shall be of Pyrotech/Cosmos/Godrej or same equivalent reputation & certification 3. Regarding Fire Suppression in all Rooms NFPA rule to be followed. 4. Dedicated Fire Alarm system needed for ICCC (all Rooms) as per NFPA guideline (Please refer Specification as mentioned in the RFP). Fire Alarm System to be provided with Public Address System. 5. Interior Modification, alteration and enhancement to be done if it is required to fulfil the solution as per Industry Standards of ICCC's. Also Video Wall Display to be arranged in Curved Position with proper viewing angle as per sitting positions. 5a.) Furniture for Command Centre Room(10 Monitoring Stations + Sofa Sitting arrangement for 6 People) , Conference/Meeting Room (9 Person sitting arrangement with Conf. Table) , Training Room (10 person Seating Space with Desk Table), Waiting Area(4 person Sofa + Centre Table) etc to be provided. 5b.) Appropriate Sizing of Electrical Room to be done which will include UPS, Batteries, Main Electrical Panel, UPS Parallel Panel, DBs etc to be placed in this Room with Novec based Automated Fire Suppression System & PAC Cooling as per RFP, Clean Agent type automated fire suppression with master cylinder & acc, Piping and nozzle distribution is okay as per NFPA Guidelines.
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4	30. Wiring	ICCC/TR/30.01	122	<p>As per ICCC requirement we need to provide power to UPS & its Battery Charging, UPS Room PAC and other loads, please let us know response to below points,</p> <ol style="list-style-type: none"> 1. Do we need to provide Single Main Electrical Panel for ICCC load? 2. Do we need to power cabling from clients main to ICCC Main Panel? 	<ol style="list-style-type: none"> 1. Main electrical panel for complete ICCC, UPS Parallel Panel for 2no. UPS, Separate Distribution Boards for Video Wall, IBMS etc. BMS Integral Load Manager/Multi function Meter to be provided in Main Panel, for PAC Units, Video Wall DB also. 1a.) 2no. Separate Earthing pits with distribution to be provided for UPS System and 2 no. for Others with Distribution. 2. All Power Cabling shall be Copper from Main Panel to UPS, Battery, UPS Parallel Panel, Distribution Boards, Video Walls, Smart Racks, PAC, IBMS System to be provide over GI Powder Coated Trays. 2a.) All Control Cabling (Copper) shall be also provided.
5	13. Room Control System including Panel	The boardroom and the operations room shall have their independent room control systems. All systems including shadowing, lighting, HVAC, audio etc. being provided as part of the ICCC shall be integrated using this room control panel.	89	<p>As per this specification, ICCC lighting needs to be controlled through control panel, but as per site survey we have seen that already light fittings are installed,</p> <p>please lets us know do we need to provide lighting controller integrable with control System?</p>	Yes, in scope of bidder
6	23. Building Management System	ICCC/TR/23	109	<ol style="list-style-type: none"> 1. Whats is the Level of Integration expected on BMS? 2. Do we need to do monitoring only or control is also required with BMS Software? 3. Comfort Cooling System is already installed at site, So do we need provide control console cum controller for existing comfort AC System for ICCC? 4. Power & Energy Monitoring to be done through BMS, please confirm? 5. Integration of New Fire Alarm System, WLD, Rodent Repellent 	<ol style="list-style-type: none"> 1. BMS Integration of Smart rack, Electrical Panels(Load Managers), Fire Alarm System, Rodent Repellent System, Water Leak Detection System, Fire Suppression System, UPS, PAC, Comfort AC System, Lighting System (but not limited to it). 2. Yes 3. Yes 4. Yes 5. Yes

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				System, lighting etc to be done, please confirm?	
7	34. Access Control System	ICCC/TR/34.01	126	Do we need to provide biometric reader or proximity reader for rooms? What is level of CCTV Surveillance required or what basis needs to be done?	All 3 Entries to Video Wall Display/Command Centre shall be with Biometric Readers and Exit shall be with Card Reader, UPS Room Entry and Exit shall be with Card reader, Main Entry from External Area shall be with Card Reader and exit with push button, Conference Room /meeting Room shall be with Card Reader entry and exit with Push button. CCTV Specification as per RFP (10Nos Minimum including outdoor). Outdoor type CCTV camera shall be Bullet Type.
8	OFC Cabling & aying from SDC to ICCC	ICCC/TR/36.01	128	whether ROW one time & recurring charges needs to be considered or will be paid by client?	MSI Scope

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9	F	2.1 (TQ 1)	53	<p>We kindly request to relax the clause as per following:-</p> <p>City Surveillance Experience:-</p> <p>The Bidder should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system integration of minimum value of INR 5 Crores during last five years (as on Bid Submission date) per project. Marks shall be allotted as below: >=2 Projects: 10 Marks 1 Project: 8 Mark</p> <p>OR</p> <p>The Bidder should have been awarded and successfully designed any project comprising of Datacenter and project value of INR 5 Crores during last five years (as on Bid Submission date) per project.</p> <p>Marks shall be allotted as below: >=2 Projects: 10 Marks 1 Project: 8 Mark</p>	<p>We kindly request to relax the clause as per following:-</p> <p>City Surveillance Experience:-</p> <p>The Bidder should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system integration of minimum value of INR 5 Crores during last five years (as on Bid Submission date) per project. Marks shall be allotted as below: >=2 Projects: 10 Marks 1 Project: 8 Mark</p> <p>OR</p> <p>The Bidder should have been awarded and successfully designed any project comprising of Datacenter value of INR 5 Crores during last five years (as on Bid Submission date) per project.</p> <p>Marks shall be allotted as below: >=2 Projects: 10 Marks 1 Project: 8 Mark</p>
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10	F	2.2 (TQ 2)	54	<p>We kindly request to relax the clause as per following:-</p> <p>ITMS or Surveillance Experience Need to mention some project related to CCTV:-</p> <p>The Bidder should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 2 Crores per project with the following components during last five years (as on Bid Submission date) Components:</p> <ul style="list-style-type: none"> • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System <p>AND</p> <ul style="list-style-type: none"> • RLVD System / ANPR System <p>OR</p> <p>Integration and deployment of CCTV project of minimum value of INR 10 Crores per project with the following components during last five years (as on Bid Submission date)</p> <p>Any two of following Components:</p> <ul style="list-style-type: none"> • VMS • Outdoor/Indoor CCTV • Networking components <p>Should have the experience of integrating with such systems</p> <p>Marks shall be allotted as below:</p> <p>>=2 Projects: 10 marks</p> <p>1 Project: 8 marks</p>	<p>We kindly request to relax the clause as per following:-</p> <p>ITMS or Surveillance Experience Need to mention some project related to CCTV:-</p> <p>The Bidder should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 2 Crores per project with the following components during last five years (as on Bid Submission date) Components:</p> <ul style="list-style-type: none"> • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System <p>AND</p> <ul style="list-style-type: none"> • RLVD System / ANPR System <p>OR</p> <p>Integration and deployment of CCTV project of minimum value of INR 10 Crores per project with the following components during last five years (as on Bid Submission date)</p> <p>Any two of following Components:</p> <ul style="list-style-type: none"> • VMS • Outdoor/Indoor CCTV • Networking components <p>Should have the experience of integrating with such systems</p> <p>Marks shall be allotted as below:</p> <p>>=2 Projects: 10 marks</p> <p>1 Project: 8 marks</p>
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11	F	2.4 (TQ 4)	55	<p>We kindly request to relax the clause as per following:-</p> <p>Design, Build and Maintenance of Integrated Command and Control Centre Or Data Centre Or any Project on IOT :-</p> <p>The Bidder have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of project comprising of Integrated command & control room/ emergency response Centre / Security and Surveillance control room/ Surveillance control room / Data Centre built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 10 Crores per projects during last Five (5) years (as on Bid Submission date) >=2 Projects: 10 marks 1 Project: 8 marks</p>	<p>We kindly request to relax the clause as per following:-</p> <p>Design, Build and Maintenance of Integrated Command and Control Centre Or Data Centre Or any Project on IOT :-</p> <p>The Bidder have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of project comprising of Integrated command & control room/ emergency response Centre / Security and Surveillance control room/ Surveillance control room / Data Centre built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 10 Crores per projects during last Five (5) years (as on Bid Submission date) >=2 Projects: 10 marks 1 Project: 8 marks</p>
12	F	2.6 (TQ 6)	55	<p>Other Smart Solutions - Any 3 smart projects will suffice. Smart Pole, Smart Solar, Smart Display Board, etc.</p> <p>The above seems to be odd under this clause and it should be part of clause 2.5 (TQ 5) as point no 4, which is further elaborated under Sr. No. 5 of queries</p>	<ol style="list-style-type: none"> 1. Intelligent Kiosk 2. Automatic fare collection system 3. Smart Pole 4. Smart Solar 5. Smart Display Board <p>Bidder having experience of all 2 above Solution- 10 Marks 1 Solution- 5 Marks</p>

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13	F	2.5 (TQ 5)	55	We kindly request to relax the clause as per following: -Data Centre & WAN experience Or IOT:-The bidder shall have experience of executing projects comprising any two out of successfully executed below mentioned components project in last five years:1. Data Centre/DR Or IOT2. Fiber Optics Network Capability3. WAN project of more than 200 location Cumulative project Value:>100 Cr.=10 Marks>INR 50 Cr-100 Cr=8=INR 50 Cr =5 Marks	We kindly request to relax the clause as per following:-Data Centre & WAN experience Or IOT:-The bidder shall have experience of executing projects comprising any two out of below mentioned components in last five years:1. Data Centre/DR Or IOT2. Fiber Optics Network Capability3. WAN project of more than 200 location Cumulative project Value:>100 Cr.=10 Marks>INR 50 Cr-100 Cr=8=INR 50 Cr =5 Marks
14	Scope of Work, Sec#1.2	Control Units & Command Center Layer	8	Understand that Big data and advance data analytics is part of scope. Please confirm.	In scope of bidder
15		Integration Requirements	27	Please share the technical specification of existing application which will help bidder to come out with integration mechanism. Is any integration bus exist with present eco-system which can be leveraged for integration else bidder shall consider the required software/licenses . Please confirm.	Responsibility of successful bidder to survey and figure out
16			29	What is the current GIS system NKDA is having to maintain and update the maps digitally. Please mention the GIS modules NKDA is having and whether we can reuse them for this project r we need to propose a new GIS system	No model in use. No scope of re-use
17		Evaluation Criteria	53	Please confirm whether we can utilize sub-contractor experience also to satisfy Qualification and Evaluation criteria	Sub-contractor experience not permitted

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18		SECTION – H BILL OF MATERIAL	59	We understand that man power efforts mentioned in the table is indicative only and bidders need to include any additional efforts that would be envisaged during the implementation and support phase. Similarly any additional devices or item which would be needed for the completeness of the solution needs to be added by bidder as additional row items. Please confirm on our understanding.	As per best understanding of the bidder. Given is indicative minimum requirement.
19		41 Development of a Centre for Innovation, New Town Kolkata Project Status Monitoring	134	Please do let us know whether the scope of the work includes development and implementation of a Project Management module as well to track the work progress of all projects undertaken by the department or bidder is only expected to integrate with the existing project management system.	Includes the development of Project Management Module
20		All departments of GCC and employee should have an access of this module. The system should be linked with all Smart Governance applications where there is a functionality to upload while processing and submission of application. It should also aid users to refer any document related to that functional activity on the repository on which they are working.	177	Please do let us know the expected concurrency details and expected user base.	Maximum 1000
21	40		196	Please let us know timeline by which these 36 future Silo solution will be integrated	Any time within the maintenance period

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21	BILL OF QUANTITY DETAILS, sec#39		196	If GIS already exists then is there any need of GIS license procurement as specified in BOQ? or bidder has to include the support of existing GIS licenses for 3 years. Please clarify. In that case please share the detail of GIS software and licenses.	There is no existing GIS platform. GIS platform is in scope of bidder
23	1.1.14		132, 133, 134	Tender scope is only integration with the system mentioned in the table. Please confirm	Integration and development of the modules as mentioned in the scope
24		Gateways - SMS, email, Payment		We understand that the arrangement of SMS, email and Payment gateways would be arranged by department. Please confirm.	In scope of bidder
25		Biometric devices		We understand in the scope of work would be integration with biometric systems. Procurement of biometric devices would be out of scope of bidder.	In scope of bidder
26	Section - I	ICCC/TR/14.3	95		IVR System • IVR should support DTMF, speech recognition and Text to speech for Indian English, Bengali and Hindi languages.
27	General	General	General	The bidder requests the following clarification: All the hardware and software has to be procured in the name of the end client, NKGSCCL. Please confirm.	Either in name of "NKDA" or "NKGSCCL"
28	Annexure - I	ICCC/TR/33.01 - Precision Aircon for UPS Room	125	No external space has been allotted outside the area scope of ICC. If installation of AC is required, how the external unit mounting would happen?	To be allowed

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29	1.1	Introduction - The Existing Systems: Integration Opportunities	6	Data Centre has been mentioned as state Data Centre, however contradictorily again it has been mention as part of the ICCC. Please clarify. We understand : all servers except the Video Wall Controller would reside in the SDC and all external feed would merge at SDC only. ICCC would have the direct OFC link from SDC to operate as a Command and Control room with dedicated connection with SDC.	The SDC is intended to host most of the applications other than CCTV, Videowall but at the same time there has to be a local DC to support all applications in scenarios of link failure with SDC
30	Annexure - I	ICCC/TR/28.01	119-120	Whether the exiting AC, Electrical and false ceiling can be removed and re-installed as per requirement?	As per understanding of the bidder
31	Section - H - Bill Of Material	39 - All 3rd Party License Cost including GIS Platform, Maps, OTC Software per Year	60	As per Bill of Material, it seems software is required for 3 years. Are you looking for perpetual license? Kindly confirm	Perpetual licences only
32	1.1.3.1 Functional Specifications of the Application Software	3a. Integration of up to 2500 CCTV Camera Live Feed at the ICCC from Network connected CCTV Camera. The same should be viewed on real-time with at least 250 camera feed to be projected onto the Video-wall at any given time.	136	Viewing at least 250 camera feed in real-time onto the Video-wall at any given time shall be handled by Video Management System (VMS), which is integrated with ICCC for Incident Management & Situational Awareness. Is our understanding correct? Kindly confirm.	Viewing of 250 camera feeds in real time with a maximum capacity to view 2500 is required in the ICCC. The data shall be available in some network or non-network format. For enabling the viewing capability the need for any number of Video Management Systems (VMS) is in scope of the bidder.
33	1) GIS Software requirements:	1) GIS/NKGSCCL/1.10 - GIS platform should provide the means to create, organize, secure, and manage geographic assets. As a centralized portal, it shall provide a single gateway interface and capabilities for all map based web services, data management, visualization and analysis	a) Page no 183	1) As per scope of work given in RFP, a centralized GIS portal needs to be developed. We request you to provide the no of user /usage for the portal. Please also provide concurrent user, who will going to access the portal taking stock of present and future demands. As it is very important for techno- commercial estimation.	Up to 6 users

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34	1) GIS Software requirements:	<p>a) GIS/NKGCCL/1.07 -</p> <p>i) Scale of mapping shall be 1:1000 or better as per requirement;</p> <p>ii) Integration, export & import of various formats of data such as KML, JSON, XLS, XML, etc.; - 3D Data of city.</p> <p>iii)After successful Go-live and implementation, the Maintenance & Operation of GIS shall be carried out during MSI's contract period by taking care of Data Management, 24/7 availability of Database, periodical data updation, editing & performance management.</p>	<p>a) Page no 182</p> <p>b) Page no 182</p> <p>c) Page no 182</p>	<p>For creation of base maps of higher scale depends upon the resolution of satellite image. Today's, commercially available best high resolution satellite image is Worldview-3 having spatial resolution of 0.3m/30cm. Using this image, we can prepare base map of scale 1: 2000. So we request you to modify the clause as , " Creation of base map of 1:2000 by using world view -3 satellite image".</p>	Base map Scale 1:2000
35	1) GIS Software requirements:	1) GIS/NKGCCL/1.08 - Should be capable of integrating with existing GIS data available with NKDA	a) Page no 182	1) As specified in RFP, We understand that all related information on regards to existing GIS data will be provided by departments. Bidder will not do any type of QA/QC or manipulation before integration. Please provide the list of data available with department. Please clarify.	It is in scope of bidder to do all QA/QC on any available data

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36	Minimum Technical Specifications	37	ICCC/T R/37.01		<ul style="list-style-type: none">• 48x10G ports and 4xSFP+ (shared) Managed Switch• L3 Fully Managed Switch• Full width 1-unit 1U rack mount• 960 Gps• 24 ports (independent) 100M; 1G; 10G• 24 ports (independent) 1G; 10G• Ethernet: Out-of-band 1G port (Front)Console: RJ45 RS232 (Front)• Console: Mini-USB (Front) Storage: USB (Front)• RPS (Redundant Power Supply)
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