



Government of Jharkhand
Urban Development & Housing Department
Ranchi Smart City Corporation Limited

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CIN: U45309JH2016SGC009206



Tender Notice No. : RSCCL/C4/RFP-58/2017-58

Issued on: 12-10-2017

PR No. : 171791, 172537, 173499

Memo No: RSCCL/C4/RFP-58/2017-98 (Encl.)

Ranchi/Date: 23/11/2017

CORRIGENDUM -III

It is hereby informed that corrigendums to the RFP/corrigendum-II have been made with respect to various clauses and extension in last date of bid submission to the published RFP (Tender Notice No. : RSCCL/C4/RFP-58/2017-58) for **“Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi”**.

Corrigendums/amendments/addendums have been indicated in Annexure-I. The above document is uploaded to our websites i.e. <http://udhd.jharkhand.gov.in>, <http://smartranchi.jharkhand.gov.in> and <http://jharkhandtenders.gov.in>.

Interested bidders are advised to refer the above documents before submission of their bids.

Encl: As Above

Sd/-
(Rajesh Kumar Sharma)
Director, SUDA

#	RFP/ Corrigendum Reference	Page No.	Original Clause	Amended/Added Clause
1.	RFP Vol. I	2	Last Date and Time of Submission of Proposals – November 30, 2017 at 12:30 PM	Last Date and Time of Submission of Proposals – December 7, 2017 at 11:00 AM
2.	RFP Vol. I	2	Date & Time of Opening of Technical Proposal – November 30, 2017 at 16:00 Hrs.	Date & Time of Opening of Technical Proposal – December 8, 2017 at 11:30 AM
3.	RFP Vol I	81	Secondary Storage – 300 TB	Secondary Storage – 500 TB
4.	RFP Vol I	90	3.3 ANPR camera	This item stands deleted from the price bid.
5.	RFP Vol I	92	Addition	BoM item for RLVD shall be added in the price bid.
6.	RFP Vol II	13	e. RLVD system – 30 locations	e. RLVD system – 50 locations
7.	RFP Vol II	140	The Rear Projection Module shall have LED or laser as its light source.	The Rear Projection Module shall have LED as its light source.
8.	RFP Vol II	140	The light source lifetime of the LED shall be at least 90,000 hours. This should be certified by the OEM.	The light source lifetime of the LED shall be at least 80,000 hours. This should be certified by the OEM.
9.	RFP Vol II	140	The Cube shall have redundancy in power supply, LED light source.	The Cube shall have redundancy in LED light source.
10.	RFP Vol II	140	Other requirements - <ul style="list-style-type: none"> ▪ RS232 control (with loop-through) ▪ On Screen Display (OSD) ▪ IR remote control ▪ flicker free image on the Large Screen 	Other requirements - <ul style="list-style-type: none"> ▪ RS232 control (with loop-through) ▪ On Screen Display (OSD) ▪ IR remote control / IR Access through IP ▪ flicker free image on the Large Screen
11.	RFP Vol II	140	The native resolution of each Visual Display Unit / Rear Projection Module should be 1920 X 1080 pixels (Full HD) and should have LED as its light source with ultra-thin configuration.	The native resolution of each Visual Display Unit / Rear Projection Module should be 1920 X 1080 pixels (Full HD) and should have LED as its light source with thin configuration.
12.	RFP Vol II	166	Layer 3 supporting 24K Multicast route. Also should support minimum 50K ipv4 Route entries and 30K of IPv6 routes.	Layer 3 supporting 4K Multicast route. Also should support minimum 50K ipv4 Route entries and 30K of IPv6 routes.
13.	RFP Vol II 4.3.18	188	NA	Fuel charges for DG set – After go-live of first phase of implementation, RSCCL shall reimbursed the fuel charges borne by MSI as per actuals.

#	RFP/ Corrigendum Reference	Page No.	Original Clause	Amended/Added Clause
14.	RFP Vol II	266	The system should capture standard vehicle's number plates with an accuracy of at least 70% at day time and at least with an accuracy of 60% at night time. (On basis of number of vehicles).	The system should capture standard vehicle's number plates with an accuracy of at least 80% at day time and at least with an accuracy of 60% at night time. (On basis of number of vehicles).
15.	RFP Vol II	267	The automatic number plate recognition Software will be part of the supplied system, Success rate of ANPR will be taken as 85% or better during the day time and 65% or better during the night time with a standard number plate.	The automatic number plate recognition Software will be part of the supplied system, Success rate of ANPR will be taken as 80% or better during the day time and 60% or better during the night time with a standard number plate.
16.	RFP Vol II	276	Operating conditions: 0 to 60°C (temperature), 50 to 90% (humidity)	Operating conditions: 0 to 50°C (temperature), 50 to 90% (humidity)
17.	RFP Vol II	301	Speaker - Minimum 2 speakers, To be used for Public Address System	Speaker - Minimum 2 speakers (integrated minimum 200W amplifier), To be used for Public Address System
18.	RFP Vol II	Addition	Overview Camera	<p>Minimum technical specification for Overview Camera</p> <ul style="list-style-type: none"> ▪ The overview camera shall capture the infracting vehicle including the status of Traffic Signal. ▪ The overview camera shall be supported by illumination devices to ensure images captured with a minimum illumination of 0.05 Lux are readable/viewable when viewed through a standard computer monitor. ▪ The overview camera shall have IR illumination. IR Illuminator can be Internal or external & visibility should be at least 100 m. ▪ The overview camera shall be provided with necessary cabling, enclosure and mounting equipment. ▪ The overview camera shall provide a minimum frame rate of 25 fps. The camera shall use a 1/3" or 1/2" colour, inter-line transfer, solid state CCD image sensor with a minimum of 1920 x 1080 resolution.

#	RFP/ Corrigendum Reference	Page No.	Original Clause	Amended/Added Clause
				<ul style="list-style-type: none"> ▪ The lens of overview camera shall be designed to prevent bright light “flare” caused by indirect sunlight outside the angle of view of the lens affecting the viewed scene. ▪ The overview camera shall be IP66. ▪ The overview camera shall be compliant to operating voltage of 230V, 50 Hz AC power, or alternatively have power transformers that are compliant to operating voltage.
19.	RFP Vol II	337	The WIPS system needs to have dedicated wireless security devices for monitoring the air space, detecting unauthorized connections and a centralized server that analyses the data received from Sensor.	The WIPS system needs to have dedicated wireless security devices/ integrated solution within controller for monitoring the air space, detecting unauthorized connections and a centralized server that analyses the data received from Sensor.
20.	RFP Vol II	337	WIPS System should have zero-day attack detection and prevention capabilities	Optional: WIPS System should have zero-day attack detection and prevention capabilities
21.	RFP Vol II	347	Must have -93 dB or better Receiver Sensitivity.	Must have -91 dB or better Receiver Sensitivity.
22.	RFP Vol II	347	Must support upto 27dbm of transmit power in both 2.4Ghz and 5Ghz radios	Must support upto 21dbm of transmit power in both 2.4Ghz and 5Ghz radios
23.	RFP Vol II	347	Should have two RJ-45 auto-sensing 10/100/1000 Mbps port and a console port.	Should have one RJ-45 auto-sensing 10/100/1000 Mbps port and a console port.
24.	RFP Vol II	348	Proposed access point shall support MDO (Mobile Data offload)	This clause stands deleted.
25.	RFP Vol II	348	Should be able to support LTE & WiMAX Signal Rejection	This clause stands deleted.
26.	RFP Vol II	348	Should be able to support PoE, DC powering option	Should be able to support PoE, AC/DC powering option
27.	RFP Vol II	349	Certified for interoperability with all IEEE 802.11a/b/g/n client devices.	Certified for interoperability with all IEEE 802.11a/b/g/n/ ac wave 2 client devices.
28.	RFP Vol II	356	2.a. Red Light Violation Detection (RLVD) sensors - per leg - 120	2.a. Red Light Violation Detection (RLVD) – locations – 50 locations
29.	RFP Vol II	356	2.b. Camera with ANPR capability – 120 No.	2.b. Camera with ANPR capability – 300 No.
30.	RFP Vol II	356	2.c. Local processing unit – 30	2.c. Local processing unit – As per solution design and requirement
31.	RFP Vol II	356	2.f. Overview camera – 120 No.	2.f. Overview camera – 150 No.

#	RFP/ Corrigendum Reference	Page No.	Original Clause	Amended/Added Clause
32.	RFP Vol II	376	Deploy network Intrusion Detection System (IDS) on the perimeter and key points of the network and host IDS to critical systems. Establish process to tune, update, and monitor IDS information.	Deploy network Intrusion Prevention System (IPS) on the perimeter and key points of the network and host IPS to critical systems. Establish process to tune, update, and monitor IPS information.
33.	Corrigendum – II	3	Please consider 2 nos. Desktop GIS (Standard)	Please consider 2 nos. Desktop GIS (advance) with applicable extensions for Spatial Analysis, Network Analysis and Data Interoperability
34.	Corrigendum – II (Annexure – 3)	26	The router should have an aggregate throughput of at least 500 Mbps and expandable up-to 1Gbps for future expansion	The router should have an aggregate throughput of at least 5 Gbps and expandable up-to 10 Gbps for future expansion
35.	Corrigendum – II (Annexure – 3)	26	The router should have redundant power supply for day 1	The router should have redundant power supply from day 1
36.	Corrigendum – II (Annexure – 3)	26	Router should support protocols like RIP, OSPF,BGP, VRRP/HSRP, for day one	Router should support protocols like RIP, OSPF, BGP, VRRP/HSRP from day one

Annexure – I: List of Tentative Locations for ITMS Solution

Sr.	Location	Sr.	Location	Sr.	Location
1.	HEC Main Gate Chowk	2.	Chandi Chowk	3.	Divyani Chowk
4.	Birsa Chowk	5.	Hot Lips Chowk	6.	Shastri Chowk
7.	Hinoo Chowk	8.	Lowadih Chowk	9.	Din Dayal Chowk
10.	AG More Chowk	11.	Durga Soren Chowk	12.	Hatiya Rly. Station Chowk
13.	Sujata Chowk	14.	Sadabahar Chowk	15.	Karbala Chowk
16.	Ratan Pump Chowk	17.	Rajendra Chowk	18.	Plaza Chowk
19.	Sarjana Chowk	20.	Mecon Chowk	21.	Karamtoli Chowk
22.	Siramtoli Chowk	23.	Highcourt Chowk	24.	SSP Awas Chowk
25.	Kantatoli Chowk	26.	Chhanda Chowk	27.	Lalpur Chowk
28.	Khel Gaon Chowk	29.	Project Building Chowk	30.	Dagradoli Chowk
31.	Booty More Chowk	32.	Argora Chowk	33.	New Market Chowk
34.	Kankatoli Chowk	35.	Kishore Yadav Chowk	36.	Munda Chowk
37.	Jail Chowk	38.	Jagarnathpur temple Chowk	39.	Albert Akka / Firyalal Chowk
40.	Kutchery Chowk	41.	Satellite Chowk	42.	Saheed Chowk
43.	Garison Chowk	44.	Harmoo Chowk	45.	Sajahanand Chowk
46.	Randir Verma Chowk	47.	Mohrawadi Chowk	48.	Karamtoli Chowk
49.	Kishore Ganj Chowk	50.	Patel Chowk		