

**Corrigendum to Tender No. 118/MYS/MAINT(U)/ 2016-17, dated 10/03/2017 for “Up-gradation of CCTV System and Servers with IP Cameras and Implementation of Video Analytic Features” at BRBNMPL, Mysuru.**

The following specification and compliance is included against the requirement of Facial Recognition System: under section VII – Technical Specification, clause No. 9.8)

Tender Clause Sl.No.	Parameters	Existing Technical Specifications	Proposed Technical Specifications
Section VII , Clause No. 9.8) Sl.No. 1 Page No. 37	Facial Recognition / People Identification	It should Automatically identify or verify a person from a digital image or a video frame from a video source.	1) Face Recognition System shall work on real time and offline mode.
			2) The system shall capture face images from live CCTV video feed and generate alerts, if blacklist match is found. FRS alerts should be pushed to the VMS / NVR client (seamlessly integrated with VMS/NVR client
			3) The system shall have the best suited technology employed for 1:1 (one to one) and 1: N (one to many) matching application, when they enter the field of view of CCTC cameras.
			4) The system shall have the provision to take multiple samples of same face belonging to same person
			5) The system shall work on partial occlusion of face, glasses, scarfs, changes of facial expression etc.
			6) The system shall be able work on moderate face rotation either horizontal or vertical
			7) The system shall be able for matching suspect faces from pre-recorded video feeds obtained for CCTV deployed various identified locations.
			8) The system shall be able to add photographs obtained from law enforcement agencies to the criminals’ repositories tagged for sex, age, scars, tattoos etc for future searches.
			9) The system shall support diverse graphic & video formats as well as live cameras.
			10) The system administration / user shall have option to customize the GUI for different user.
			11) The identification of faces should be contactless, at a distance and on the move and in the crowded area.
			12) The system shall have any tool for enhancement of quality of image before enrolment. The tool may be either a part of this software or may be provided as an add-on.
			13) The system shall be able to utilize any of the file formats like JPEG, PNG, BMP, TIFF etc. format for enrolment.
			14) The system shall be able to check if new enrolled face is already enrolled in the data base before registering the new enrolled face in the system.
			15) The system shall have option to automatically enroll face images from CCTV cameras.

			<p>16) The system shall have capacity to create different categories of people with option to customize the matching threshold for different categories.</p> <p>17) The system shall be able to work on full HD or Ultra HD Cameras.</p> <p>18) The system shall be able to be implemented on IT hardware like Server or Workstation.</p> <p>19) The system shall be able to use CPU and GPU based processing for multiple camera streams in a single Server/Workstation.</p> <p>20) The system shall support minimum 4 nos. of camera streams on Servers intended for Face Recognition Software with NVIDIA GPU Card of Tesla/Quadro series or better.</p> <p>21) The system shall be able to work on windows / Linux operating system.</p> <p>22) The system shall employ database system like MS SQL or Oracle or Postgre SQL or any other data base system.</p> <p>23) The system shall have the capability to have face image data base of 50000 or more for 1 : N matching. The system should be scalable to upgrade for higher data size as and when required with additional license for data base.</p> <p>24) The system shall be able to work on ONVIF – profile ‘S’ compliant cameras.</p> <p>25) The face recognition software algorithm should have participated in the latest NIST (National Institute of Standards and Technology) Face Recognition Vendor Test. The vendor shall submit the latest NIST evaluation report for the algorithm.</p>
Section VII , Clause No. 10) Sl.No. 3 Page No. 54	Facial Recognition System	<b>Existing Approved Makes:</b> NEC, Cognent, Recnitec	<b>Proposed Approved Makes:</b> NEC, Cognitec, Neuro Technology, Cognent.

There is no change to any other terms and & conditions of the said tender.

Sd/-  
(S.M. Pawale)  
Asst. General Manager