



## BID NOTICE

**STELLENBOSCH MUNICIPALITY HEREBY INVITES YOU TO TENDER FOR B/SM 96/25: SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF CCTV/LPR CAMERA SYSTEMS INCLUDING THE SUPPLY AND DELIVERY OF BODYWORN CAMERAS AND REQUIRED ACCESSORIES FOR A PERIOD ENDING 30 JUNE 2028**

TENDER NUMBER: **B/SM 96/25**  
DESCRIPTION: **SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF CCTV/LPR CAMERA SYSTEMS INCLUDING THE SUPPLY AND DELIVERY OF BODYWORN CAMERAS AND REQUIRED ACCESSORIES FOR A PERIOD ENDING 30 JUNE 2028**  
CLOSING DATE: **5 May 2025**  
CLOSING TIME: **12h00: Bids will be opened in the Council Chambers or Supply Chain Management Boardroom.**

CIDB : The following CIDB class of construction works will be applicable to the Tender, in accordance with the sum tendered or value determined in accordance with regulation 25(7A) of the Construction Industry Development Regulations, 2004 (as amended) – As at 23 May 2019 - **Class of Construction Works: 1CE or higher. (If intended to subcontract, the civil part of the tender, CIDB grading of 1CE is required from the subcontractor. If not, subcontracted bidder must have a 1CE or higher).**

### **INFORMATION:**

**Tender Specifications:** Daniel Jonkers at 021 8088814 e-mail: Daniel.Jonkers@stellenbosch.gov.za  
**SCM Requirements:** Jeanette Williams at 021 8088524 e-mail: Jeanette.Williams@stellenbosch.gov.za  
**Office hours for collection:** **08h00-15h30**

Tenders may only be submitted on the Tender document issued by Stellenbosch Municipality and must be valid for **180 days** after tender closing. Late, electronic format, telephonic or faxed Tenders will not be considered and Stellenbosch Municipality does not bind itself to accept the lowest bid or any of the tenders that has been submitted.

Sealed Tenders, with “**B/SM 96/25 SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF CCTV/LPR CAMERA SYSTEMS INCLUDING THE SUPPLY AND DELIVERY OF BODYWORN CAMERAS AND REQUIRED ACCESSORIES FOR A PERIOD ENDING 30 JUNE 2028**”, clearly endorsed on the envelope, must be deposited in the Tender box at the offices of the Stellenbosch Municipality, Town House Complex (Main Building between Town Hall and Municipal Library), Plein Street, Stellenbosch. The Tender box is accessible 24 hours a day and Tenders must be accompanied by the completed Tender documents. Tenders not accompanied by a complete Tender document, will not be considered.

**NOTE:** This tender will be evaluated in terms of the General Conditions of Contract (GCC & CIDB) , Supply Chain Management Policy and relevant specification as depicted in the document and also the Stellenbosch Preferential Procurement Policy effective from 16 January 2023 in accordance with the Preferential Procurement Regulations that was promulgated by the Minister of Finance on 04 November 2022 in Government Gazette No 47452.

The preferential points system applied is as follows:80/20 in terms of the approved policy.

<b>Price</b>	<b>80</b>
<b>B-BBEE status level of contribution</b>	<b>10</b>
<b>Locality</b>	<b>10</b>
<b>Total points for Price, B-BBEE and locality</b>	<b>100</b>

The following conditions to Tender exist (failure to comply may result in your Tender being disqualified):

1. This Tender is subject to the general conditions of contract (GCC & CIDB) and special conditions for Tendering.
2. Relevant terms of reference.
3. Tenderers must be registered on the Central supplier database (CSD) if they wish to conduct business with the municipality.
4. No award will be made to tenderers whose tax status is non-compliant.
5. Tenders submitted must be in a sealed envelope clearly marked with the Tender number, placed in the tender box before closing time. Failure will result in the tender being invalid.

*Tender documents, in English, are available free of charge on the website: [www.stellenbosch.gov.za](http://www.stellenbosch.gov.za). Alternatively, hard copies of the document are obtainable from the offices of the Supply Chain Management Unit, Stellenbosch Municipality, Town House Complex, 1<sup>st</sup> Floor, Plein Street, Stellenbosch, upon payment of a non-refundable fee of **R 544.00 per document**.*

**Note:** The municipality will never contact you to pay money in exchange for the award of a tender.

G Mettler (Ms)

**MUNICIPAL MANAGER**

## TENDER KENNISGEWING

**STELLENBOSCH MUNISIPALITEIT NOOI U VIR DIE VOLGENDE TENDER: B/SM 96/25 VERSKAF, AFLEWERING, INSTALLASIE EN ONDERHOUD VAN CCTV/LPR-KAMERA-STELSELS, INSLUITEND DIE VERSKAF EN AFLEWERING VAN LIGGAAMSGEDRAGTE KAMERAS EN VEREISTE BYKOMSTIGHEDE VIR 'N TYDPERK EINDIG 30 JUNIE 2028**

TENDER NOMMER: **B/SM 96/25**  
BESKRYWING: **VERSKAF, AFLEWERING, INSTALLASIE EN ONDERHOUD VAN CCTV/LPR-KAMERA-STELSELS, INSLUITEND DIE VERSKAF EN AFLEWERING VAN LIGGAAMSGEDRAGTE KAMERAS EN VEREISTE BYKOMSTIGHEDE VIR 'N TYDPERK EINDIG 30 JUNIE 2028**

SLUITINGSDATUM: **5 Mei 2025**  
TYD VAN SLUITING: **12h00.** Tenders sal oopgemaak word in die **Raadsaal** of in die **Voorsieningskanaalbestuurs Raadsaal.** .

**KIOR:** Die volgende KIOR klas vir konstruksiewerk, in ooreenstemming met die totale bedrag getender of waarde bepaal in ooreenstemming met regulasie 25 (7A) van die Konstruksie-industrie Ontwikkelingsraad, Regulasies, 2004 (soos gewysig) op 23 Mei 2019, sal op die bod van toepassing wees. Tendersaars moet 'n **geskatte KIOR kontrakgradering** van ten minste **1CE of hoër** hê. (Indien beoog om te subkontraakteer, word die siviele deel van die tender, CIDB-gradering van 1CE van die subkontraakteur vereis. Indien nie, moet gesubkontraakteerde bieder 'n 1CE of hoër hê).

### NAVRAE:

**Tender spesifikasies:** Daniel Jonkers at 021 8088814 e-pos: Daniel.Jonkers@stellenbosch.gov.za

**Vkb vereistes:** Jeanette Williams at 021 8088524 e-pos: Jeanette.Williams@stellenbosch.gov.za

**Kantoor Ure:** 08h00-15h30

Tenders mag slegs ingedien word op die tenderdokumentasie verskaf deur Stellenbosch Munisipaliteit en moet geldig wees vir **180 dae** na die sluitingsdatum. Laat, elektroniese formaat of gefakse tenders sal nie aanvaar word nie en Stellenbosch Munisipaliteit is nie verplig om die laagste of enige tender wat ingedien word te aanvaar nie.

Verseëlde tenders duidelik gemerk: "**B/SM 96/25 VERSKAF, AFLEWERING, INSTALLASIE EN ONDERHOUD VAN CCTV/LPR-KAMERA-STELSELS, INSLUITEND DIE VERSKAF EN AFLEWERING VAN LIGGAAMSGEDRAGTE KAMERAS EN VEREISTE BYKOMSTIGHEDE VIR 'N TYDPERK EINDIG 30 JUNIE 2028**", op die koevert, moet geplaas word in tenderbus buite die kantore van Stellenbosch Munisipaliteit, Meenthuis Kompleks, (Hoofgebou tussen Stadsaal en Munisipale Biblioteek), Stellenbosch. Die tenderbus is 24 uur per dag beskikbaar en tenders moet vergesel word met die voltooidde stel tenderdokumente. Tendersaanbiedinge wat nie deur die volledige tenderdokument vergesel word nie, sal nie oorweeg word nie.

**LET WEL:** Hierdie tender sal geëvalueer word ingevolge die Algemene Kontrakvoorwaardes, GCC & KIOR, Voorsieningskanaal Bestuursbeleid and relevante spesifikasies, soos vervat in die tender dokument asook die Stellenbosch **Voorkeurverkrygingsbeleid** **effektief vanaf 16 Januarie 2023 in samewerking met die Voorkeurverkrygingsregulasies wat op 04 November 2022 deur die Minister van Finansies in Staatskoerant No 47452 afgekondig is.**

Die voorkeerpunte stelsel is soos volg gebaseer: 80/20 in terme van die goedgekeurde beleid:

<b>Prys</b>	<b>80</b>
<b>BBSEB status</b>	<b>10</b>
<b>Ligging</b>	<b>10</b>
<b>Totale punte vir prys, B-BSEB en ligging</b>	<b>100</b>

Die volgende voorwaardes vir Tender soos volg: (versuim om te voldoen, kan veroorsaak dat u Tender gediskwalifiseer word):

1. Hierdie tender is onderworpe aan die algemene kontrakvoorwaardes (GCC) , KIOR en spesiale voorwaardes vir die tender;
2. Toepaslike opdrag
3. Tendersaars moet geregistreer wees op Sentrale verskaffersdatabasis (SVD) as hulle met die munisipaliteit sake wil doen
4. Geen toekenning sal gemaak word aan diensverskaffers wie se Belasting status ongeldig is.
5. Die tender wat ingedien moet word, moet in 'n verseëelde koevert wees wat duidelik gemerk is met die Tendernommer, wat in die tenderbus voor sluitingstyd geplaas word. Versuim sal tot gevolg hê dat die tender ongeldig is.

*Tenderdokumente, in Engels, is verkrygbaar by die kantoor van die Voorsieningskanaalbestuurseenheid, Stellenbosch Munisipaliteit, Meenthuis Kompleks, 1ste Vloer, Pleinstraat, Stellenbosch na betaling van 'n nie-terugbetaalde tenderdeelnamewooi van **R 544.00 per dokument**. Alternatiewelik mag die dokument gratis afgelaai word vanaf die webblad [www.stellenbosch.gov.za](http://www.stellenbosch.gov.za).*

**Let wel:** Die munisipaliteit sal jou nooit kontak om geld te betaal in ruil vir die toekenning van 'n tender nie.

G Mettler (Me)

**MUNISIPALE BESTUURDER**



**STELLENBOSCH**

STELLENBOSCH • PNIEL • FRANSCHHOEK

MUNISIPALITEIT • UMASIPALA • MUNICIPALITY

V8 – 13/01/2025

**TENDER NO.: B/SM 96/25**

**SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF CCTV/LPR  
CAMERA SYSTEMS INCLUDING THE SUPPLY AND DELIVERY OF BODYWORN  
CAMERAS AND REQUIRED ACCESSORIES FOR A PERIOD ENDING 30 JUNE  
2028**

**PROCUREMENT DOCUMENT**

<b>NAME OF TENDERER:</b>			
<b>Total Bid Price (Inclusive of VAT) (refer to page 124):</b>			
<b>BBBEE LEVEL</b>			
<b>CLAIM POINTS FOR</b>	<b>LOCALITY</b>	<b>YES</b>	<b>NO</b>

**DATE: APRIL 2025**

**PREPARED AND ISSUED BY:**

Directorate: Finance:  
Supply Chain Management Unit  
Stellenbosch Municipality,  
PO Box 17, Stellenbosch, 7599

**CONTACT FOR ENQUIRIES  
REGARDING SPECIFICATIONS:**

**Daniel Jonkers**

**Chief Law Enforcement**

Tel. Number: **021 8088814**



## 1. TENDER NOTICE & INVITATION TO TENDER

### BID NOTICE

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**Tender spesifikasies:** Daniel Jonkers at 021 8088814 e-pos: Daniel.Jonkers@stellenbosch.gov.za  
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Verseëde tenders duidelik gemerk: **“B/SM 96/25 VERSKAFFING, AFLEWERING, INSTALLASIE EN ONDERHOUD VAN CCTV/LPR-KAMERA-STELSELS, INSLUITEND DIE VERSKAF EN AFLEWERING VAN LIGGAAMSGEDRAGTE KAMERAS EN VEREISTE BYKOMSTIGHEDE VIR 'N TYDPERK EINDIG 30 JUNIE 2028”**, op die koevert, moet geplaas word in tenderbus buite die kantore van Stellenbosch Munisipaliteit, Meenthuis Kompleks, (Hoofgebou tussen Stadsaal en Munisipale Biblioteek), Stellenbosch. Die tenderbus is 24 uur per dag beskikbaar en tenders moet vergesel word met die voltooide stel tenderdokumente. Tendersaanbiedinge wat nie deur die volledige tenderdokument vergesel word nie, sal nie oorweeg word nie.

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Die voorkeerpunte stelsel is soos volg gebaseer: 80/20 in terme van die goedgekeurde beleid:

<b>Prys</b>	<b>80</b>
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Die volgende voorwaardes vir Tender soos volg: (versuim om te voldoen, kan veroorsaak dat u Tender gediskwalifiseer word):

1. Hierdie tender is onderworpe aan die algemene kontrakvoorwaardes (GCC) , KIOR en spesiale voorwaardes vir die tender;
2. Toepaslike opdrag





3. Tendersaars moet geregistreer wees op Sentrale verskaffersdatabasis (SVD) as hulle met die munisipaliteit sake wil doen
4. Geen toekenning sal gemaak word aan diensverskaffers wie se Belasting status ongeldig is.
5. Die tender wat ingedien moet word, moet in 'n verseelde koevert wees wat duidelik gemerk is met die Tendernommer, wat in die tenderbus voor sluitingstyd geplaas word. Versuim sal tot gevolg hê dat die tender ongeldig is.

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**Let wel:** Die munisipaliteit sal jou nooit kontak om geld te betaal in ruil vir die toekenning van 'n tender nie.

G Mettler (Me)

**MUNISIPALE BESTUURDER**



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## PART A INVITATION TO BID

<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF MUNICIPALITY/ MUNICIPAL ENTITY)</b>					
BID NUMBER:	<b>BSM 96/25</b>	CLOSING DATE:	<b>5 May 2025</b>	CLOSING TIME:	<b>12:00</b>
DESCRIPTION	<b>SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF CCTV/LPR CAMERA SYSTEMS INCLUDING THE SUPPLY AND DELIVERY OF BODYWORN CAMERAS AND REQUIRED ACCESSORIES FOR A PERIOD ENDING 30 JUNE 2028</b>				
<b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).</b>					

BID RESPONSE DOCUMENTS MUST BE DEPOSITED IN THE BID BOX SITUATED AT **STELLENBOSCH MUNICIPALITY, TOWN HOUSE COMPLEX(MAIN BUILDING BETWEEN TOWN HALL AND MUNICIPAL LIBRARY), PLEIN STREET, STELLENBOSCH**

<b>SUPPLIER INFORMATION</b>					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>					
1. ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		2. ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART B:3 ]	
3. TOTAL NUMBER OF ITEMS OFFERED			4. TOTAL BID PRICE	R	
5. SIGNATURE OF BIDDER	.....		6. DATE		
7. NAME AND SURNAME OF RESPONSIBLE PERSON					
8. CAPACITY UNDER WHICH THIS BID IS SIGNED					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:</b>			<b>TECHNICAL INFORMATION MAY BE DIRECTED TO:</b>		
DEPARTMENT	Finance (SCM)		CONTACT PERSON	Daniel Jonkers	
CONTACT PERSON	Jeanette Williams		TELEPHONE NUMBER	021 808 8814	
TELEPHONE NUMBER	021 8088524		E-MAIL ADDRESS	<a href="mailto:Daniel.Jonkers@stellenbosch.gov.za">Daniel.Jonkers@stellenbosch.gov.za</a>	
E-MAIL ADDRESS	<a href="mailto:Jeanette.Williams@Stellenbosch.gov.za">Jeanette.Williams@Stellenbosch.gov.za</a>				



**PART B  
TERMS AND CONDITIONS FOR BIDDING**

<b>1. BID SUBMISSION:</b>	
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.	
1.2. <b>ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR SUBMITTED ONLINE</b>	
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 16 January 2023, THE STELLENBOSCH SUPPLY CHAIN MANAGEMENT POLICY, THE GENERAL CONDITIONS OF CONTRACT (GCC, JBCC, FIDIC OR CIDB) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.	
<b>2. TAX COMPLIANCE REQUIREMENTS</b>	
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.	
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER’S PROFILE AND TAX STATUS.	
2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.	
2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.	
2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.	
2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.	
2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.	
<b>3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>	
3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>IF THE ANSWER IS “NO” TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.</b>	

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.  
NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.**

SIGNATURE OF BIDDER:

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

.....

NAME AND SURNAME

.....

DATE

.....



---

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## **PART A – ADMINISTRATIVE REQUIREMENTS IN TERMS OF THE SUPPLY CHAIN MANAGEMENT POLICY**



**2. CHECKLIST**

**PLEASE ENSURE THAT THE FOLLOWING FORMS HAVE BEEN DULY COMPLETED AND SIGNED AND THAT ALL DOCUMENTS AS REQUESTED, ARE ATTACHED TO THE TENDER DOCUMENT:**

<b>Authority to Sign a Bid</b> - Is the form duly completed and is a <b>certified copy</b> of the <b>resolution</b> attached?	Yes		No	
<b>MBD 4</b> (Declaration of Interest) - Is the form duly completed and signed?	Yes		No	
<b>MBD 5</b> - Is the form duly completed and signed?	Yes		No	
<b>MBD 6.1</b> (Preference Points claim form for purchases/services) - Is the form duly completed and signed? Is a copy of the <b>B-BBEE Certificate</b> issued by a Verification Agency accredited by SANAS or the <b>original Sworn Affidavit</b> attached? (NB! BBEE CERTIFICATES CAN BE VERIFIED WITH THE VERIFICATION AGENCY BUT A SWORN AFFIDAVIT <b>MUST</b> BE AN ORIGINAL AND <b>NOT</b> A COPY TO BE ELIGIBLE FOR BBEE POINTS)	Yes		No	
<b>MBD 8</b> (Declaration of Past Supply Chain Practices) - Is the form duly completed and signed?	Yes		No	
<b>MBD 9</b> (Certificate of Independent Bid Determination) - Is the form duly completed and signed?	Yes		No	
<b>MBD 10</b> (Certificate of Payment of Municipal Accounts) - Is the form duly completed and signed? Are the <b>Identity numbers, residential addresses</b> and <b>municipal account numbers</b> of <b>ALL</b> members, partners, directors, etc. provided on the form as requested? (NB! MUNICIPAL ACCOUNTS WILL BE VERIFIED AND USED AS BASIS FOR PREFERENCE POINTS SCORING IN TERMS OF THE STELLENBOSCH PREFERENTIAL PROCUREMENT POLICY. THE BUSINESS ADDRESS, LEASE AGREEMENT OR SWORN AFFADAVIT WILL BE THE BASIS FOR AWARDDING POINTS FOR LOCALITY)	Yes		No	
<b>OHSA</b> (Occupational Health and Safety) - Is the form duly completed and signed? Is a valid <b>Letter of Good Standing</b> from the Compensation Commissioner attached?	Yes		No	
<b>Form of Indemnity</b> - Is the form duly completed and signed?	Yes		No	
<b>Pricing Schedule</b> - Is the form duly completed and signed?	Yes		No	
<b>Form of Offer</b> - Is the form duly completed and signed? (If applicable)	Yes		No	
<b>Declaration by Tenderer</b> - Is the form duly completed and signed?	Yes		No	



**3. AUTHORITY TO SIGN A BID**

**1. SOLE PROPRIETOR (SINGLE OWNER BUSINESS) AND NATURAL PERSON**

1.1. I, \_\_\_\_\_, the undersigned, hereby confirm that I am the sole owner of the business trading as \_\_\_\_\_.

**OR**

1.2. I, \_\_\_\_\_, the undersigned, hereby confirm that I am submitting this tender in my capacity as natural person.

SIGNATURE:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	

**OR**

**2. COMPANIES AND/OR CLOSE CORPORATIONS**

2.1. **If a Bidder is a COMPANY, a certified copy of the resolution by the board of directors**, duly signed, authorising the person who signs this bid to do so, as well as to sign any contract resulting from this bid and any other documents and correspondence in connection with this bid and/or contract on behalf of the company **must be submitted with this bid**, that is, before the closing time and date of the bid

2.2. In the case of a **CLOSE CORPORATION (CC)** submitting a bid, **a resolution by its members**, authorizing a member or other official of the corporation to sign the documents on their behalf, **shall be included with the bid**.

**PARTICULARS OF RESOLUTION BY BOARD OF DIRECTORS OF THE COMPANY/MEMBERS OF THE CC**

Date Resolution was taken	
Resolution signed by (name and surname)	
Capacity	
Name and surname of delegated Authorised Signatory	
Capacity	
Specimen Signature	

**Full name and surname of ALL Director(s) / Member (s)**

1.		2.	
3.		4.	
5.		6.	
7.		8.	
9.		10.	

**Is a COPY of the resolution attached?**

**YES**

**NO**

SIGNED ON BEHALF OF COMPANY / CC:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	





OR

**3. PARTNERSHIP**

We, the undersigned partners in the business trading as \_\_\_\_\_ hereby authorize Mr/Ms \_\_\_\_\_ to sign this bid as well as any contract resulting from the bid and any other documents and correspondence in connection with this bid and /or contract for and on behalf of the abovementioned partnership.

The following particulars in respect of every partner must be furnished and signed by every partner:

Full name of partner		Signature	
SIGNED ON BEHALF OF PARTNERSHIP:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	

OR

**4. CONSORTIUM**

We, the undersigned consortium partners, hereby authorize \_\_\_\_\_ (Name of entity) to act as lead consortium partner and further authorize Mr./Ms. \_\_\_\_\_ To sign this offer as well as any contract resulting from this tender and any other documents and correspondence in connection with this tender and / or contract for and on behalf of the consortium.

The following particulars in respect of each consortium member must be provided and signed by each member:

Full Name of Consortium Member	Role of Consortium Member	% Participation	Signature
SIGNED ON BEHALF OF PARTNERSHIP:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	



**4. CERTIFICATE OF AUTHORITY FOR JOINT VENTURES**

**This returnable schedule is to be completed by JOINT VENTURES**

We, the undersigned, are submitting this tender offer in joint venture and hereby authorize Mr./Ms. \_\_\_\_\_  
authorized signatory of the Company/Close Corporation/Partnership (name) \_\_\_\_\_,  
acting in the capacity of lead partner, to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

(i) Name of firm (Lead partner)			
Address			
		Tel. No.	
Signature		Designation	

(ii) Name of firm			
Address			
		Tel. No.	
Signature		Designation	

(iii) Name of firm			
Address:			
		Tel. No.	
Signature		Designation	

(iv) Name of firm			
Address			
		Tel. No.	
Signature		Designation	

**NOTE: A copy of the Joint Venture Agreement showing clearly the percentage contribution of each partner to the Joint Venture, shall be appended to this Schedule.**



## 5. STANDARD CONDITIONS OF TENDER (CIDB)

### F.1 General

#### F.1.1 Actions

**F.1.1.1** The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

**F.1.1.2** The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

*Note*

- 1) *A conflict of interest may arise due to a conflict of roles, which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.*
- 2) *Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty, which would in any way, affect any decisions taken.*

**F.1.1.3** The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

#### F.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

#### F.1.3 Interpretation

**F.1.3.1** The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

**F.1.3.2** These conditions of tender, the tender data and tender schedules, which are only required for tender evaluation purposes, shall not form part of any contract arising from the invitation to tender.

**F.1.3.3** For the purposes of these conditions of tender, the following definitions apply:

- a) **conflict of interest** means any situation in which:
  - i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
  - ii) an individual or organisation is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
  - iii) incompatibility or contradictory interests exist between an employee and the organisation which employs that employee.
- b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;



- 
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
  - d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;
  - e) **organization** means a company, firm, enterprise, association or other legal entity, whether incorporated or not, or a public body;
  - f) **functionality** means the measurement according to the predetermined norms of a service or commodity designed to be practical and useful, working or operating, taking into account quality, reliability, viability and durability of a service and technical capacity and ability of a tenderer.

#### **F.1.4 Communication and employer's agent**

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non- receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

#### **F.1.5 Cancellation and Re-Invitation of Tenders**

F1.5.1 An organ of state may, prior to the award of the tender, cancel a tender if-

- (a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or
- (b) funds are no longer available to cover the total envisaged expenditure; or
- (c) no acceptable tenders are received.

F1.5.2 The decision to cancel a tender must be published in the cidb website and in the government Tender Bulletin for the media in which the original tender invitation was advertised.

#### **F.1.6 Procurement procedures**

##### **F.1.6.1 General**

Unless otherwise stated in the tender data, a contract will, subject to F.3.13, be concluded with the tenderer who in terms of F.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

##### **F.1.6.2 Competitive negotiation procedure**

**F.1.6.2.1** Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of F.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of F.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

**F.1.6.2.2** All responsive tenderers, or not less than three responsive tenderers that are highest ranked in terms of the evaluation method and evaluation criteria stated in the tender data, shall be invited in each round to enter into competitive negotiations, based on the principle of equal treatment and keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of F.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's



competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

**F.1.6.2.3** At the conclusion of each round of negotiations, tenderers shall be invited by the employer to make a fresh tender offer, based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

**F.1.6.2.4** The contract shall be awarded in accordance with the provisions of F.3.11 and F.3.13 after tenderers have been requested to submit their best and final offer.

**F.1.6.3 Proposal procedure using the two stage-system**

**F.1.6.3.1 Option 1**

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

**F.1.6.3.2 Option 2**

**F.1.6.3.2.1** Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

**F.1.6.3.2.2** The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data, and award the contract in terms of these conditions of tender.

**F.2 Tenderer's obligations**

**F.2.1 Eligibility**

**F.2.1.1** Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

**F.2.1.2** Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

**F.2.2 Cost of tendering**

**F.2.2.1** Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

**F.2.2.2** The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

**F.2.3 Check documents**

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

**F.2.4 Confidentiality and copyright of documents**



Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

#### **F.2.5 Reference documents**

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

#### **F.2.6 Acknowledge addenda**

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

#### **F.2.7 Clarification meeting**

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

#### **F.2.8 Seek clarification**

Request clarification of the tender documents, if necessary, by notifying the employer at least five working days before the closing time stated in the tender data.

#### **F.2.9 Insurance**

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

#### **F.2.10 Pricing the tender offer**

**F.2.10.1** Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the tender data.

**F.2.10.2** Show VAT payable by the employer separately as an addition to the tendered total of the prices.

**F.2.10.3** Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

**F.2.10.4** State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

#### **F.2.11 Alterations to documents**

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

#### **F.2.12 Alternative tender offers**

**F.2.12.1** Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

**F.2.12.2** Accept that an alternative tender offer may be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.



**F.2.12.3** An alternative tender offer may only be considered in the event that the main tender offer is the winning tender.

**F.2.13 Submitting a tender offer**

**F.2.13.1** Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.

**F.2.13.2** Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

**F.2.13.3** Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

**F.2.13.4** Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

**F.2.13.5** Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

**F.2.13.6** Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

**F.2.13.7** Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

**F.2.13.8** Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

**F.2.13.9** Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

**F.2.14 Information and data to be completed in all respects**

Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

**F.2.15 Closing time**

**F.2.15.1** Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

**F.2.15.2** Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

**F.2.16 Tender offer validity**





- F.2.16.1** Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.
- F.2.16.2** If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.
- F.2.16.3** Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted.
- F.2.16.4** Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of F.2.13 with the packages clearly marked as "SUBSTITUTE".

**F.2.17 Clarification of tender offer after submission**

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

*Note: Sub-clause F.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.*

**F.2.18 Provide other material**

- F.2.18.1** Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer's request, the employer may regard the tender offer as non-responsive.
- F.2.18.2** Dispose of samples of materials provided for evaluation by the employer, where required.

**F.2.19 Inspections, tests and analysis**

Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

**F.2.20 Submit securities, bonds and policies**

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

**F.2.21 Check final draft**

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

**F.2.22 Return of other tender documents**

If so instructed by the employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the tender data.

**F.2.23 Certificates**

Include in the tender submission or provide the employer with any certificates as stated in the tender data.

**F.3 The employer's undertakings**

**F.3.1 Respond to requests from the tenderer**





**F.3.1.1** Unless otherwise stated in the tender Data, respond to a request for clarification received up to five working days before the tender closing time stated in the Tender Data and notify all tenderers who drew procurement documents.

**F.3.1.2** Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

**F.3.2 Issue Addenda**

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who drew documents.

**F.3.3 Return late tender offers**

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

**F.3.4 Opening of tender submissions**

**F.3.4.1** Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

**F.3.4.2** Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its B-BBEE status level and time for completion for the main tender offer only.

**F.3.4.3** Make available the record outlined in F.3.4.2 to all interested persons upon request.

**F.3.5 Two-envelope system**

**F.3.5.1** Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

**F.3.5.2** Evaluate functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on B-BBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

**F.3.6 Non-disclosure**



Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

### **F.3.7 Grounds for rejection and disqualification**

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

### **F.3.8 Test for responsiveness**

**F.3.8.1** Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

**F.3.8.2** A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

### **F.3.9 Arithmetical errors, omissions and discrepancies**

**F.3.9.1** Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:
  - i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
  - ii) the summation of the prices.

**F3.9.2** The employer must correct the arithmetical errors in the following manner:

- a) Where there is a discrepancy between the amounts in words and amounts in figures, the amount in words shall govern.
- b) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
- c) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the



prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

Consider the rejection of a tender offer if the tenderer does not correct or accept the correction of the arithmetical error in the manner described above.

### F.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

### F.3.11 Evaluation of tender offers

#### F.3.11.1 General

Appoint an evaluation panel of not less than three persons. Reduce each responsive tender offer to a comparative offer and evaluate them using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

#### F.3.11.2 Method 1: Price and Preference

In the case of a price and preference:

- 1) Score tender evaluation points for price
- 2) Score points for preference
- 3) Add the points scored for price and preference

#### F.3.11.3 Method 2: Functionality, Price and Preference

In the case of a functionality, price and preference:

- 1) Score functionality, rejecting all tender offers that fail to achieve the minimum number of points for functionality as stated in the Tender Data.
- 2) No tender must be regarded as an acceptable tender if it fails to achieve the minimum qualifying score for functionality as indicated in the tender invitation.
- 3) Tenders that have received the minimum qualification score for functionality must be evaluated further in terms of the preference points system prescribed in paragraphs 4 and 5 below.

#### The 80/20 point system for acquisition of services, works or goods up to Rand value of R50 million.

The following formula must be used to calculate the points for price in respect of tender (including price quotation) with a rand value equal to, or above R30 000 and up to Rand value of R50 000 000 (all applicable taxes included):

$$P_s = 80 \left( 1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where:

$P_s$  = Points scored for price of bid under consideration;

$P_t$  = Price of bid under consideration; and

$P_{min}$  = Price of lowest acceptable tender or offer.

- 1) (a)(1) A maximum of 20 points (80/20 preference points system) or 10 (90/10 preference points system), must be allocated for specific goals. These goals are :



- (i) contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender or disability;
- (ii) Promotion of enterprises located in the municipal area (WCO24)
- 2) Regarding par 1(a)(1)(i) at least 50% of the 20/10 points must be allocated to promote this goal and points will be allocated in terms of the BBBEE scorecard as follows.

B-BBEE Status Level of Contributor	Number of Points for 80/20 Preference Points System
1	20
2	18
3	16
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

- A tenderer must submit proof of its BBBEE status level contributor.
  - A tenderer failing to submit proof of BBBEE status level of contributor may only score in terms of the 80/90-point formula for price; and scores 0 points out of 10/5 BBBEE status level of contributor, which is in line with section 2 (1) (d) (i) of the Act, where the supplier or service provider did not provide proof thereof.
- 3) Regarding par 1(a)(1)(ii) a maximum of 50% of the 20/10 points must be allocated to promote this goal. Maximum points will be allocated as follows.

Locality of supplier	Number of Points for 80/20 Preference Points System	Number of Points for 90/10 Preference Points System
Within the boundaries of the municipality	10	N/A
Outside of the boundaries of the municipality	0	0

**The maximum will be proportionately adjusted depending on the number of points allocated for this goal. E.G., 40% will equate to 8/4 points.**

- 4) An employer of state may apply the formula in paragraph (i) for price quotations with a value less than R30 000, if and when appropriate:



- 5) Subject to paragraph 4.3.8 of “Standard for Uniformity in Procurement, April 2017”, the contract must be awarded to the tender who scores the highest total number of points.

**The 90/10 preference points system for acquisition of services, works or goods with a Rand value above R50 million**

- 5) (a) The following formula must be used to calculate the points for price in respect of tenders with a Rand value above R50 000 000 (all applicable taxes included):

$$P_s = 90 \left( 1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

**Where:**

- P<sub>s</sub>* = Points scored for price of bid under consideration;  
*P<sub>t</sub>* = Price of bid under consideration; and  
*P<sub>min</sub>* = Price of lowest acceptable bid.

- 6) (a)(i) A maximum of 20 points (80/20 preference points system) or 10 (90/10 preference points system), must be allocated for specific goals. These goals are :
- (ii) contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender or disability;
- (iii) Promotion of enterprises located in the municipal area (WCO24)
- 7) Regarding par 6(a)(i) at least 50% of the 20/10 points must be allocated to promote this goal and points will be allocated in terms of the BBBEE scorecard as follows.

B-BBEE status level of contributor	Number of points
1	10
2	9
3	6
4	5
5	4
6	3
7	2
8	1
Non-compliant contributor	0

- A tenderer must submit proof of its BBBEE status level contributor.
- A tenderer failing to submit proof of BBBEE status level of contributor may only score in terms of the 80/90-point formula for price; and



scores 0 points out of 10/5 BBEE status level of contributor, which is in line with section 2 (1) (d) (i) of the Act, where the supplier or service provider did not provide proof thereof.

- 8) Regarding par 6(a)(1)(ii) a maximum of 50% of the 20/10 points must be allocated to promote this goal. Maximum points will be allocated as follows.

Locality of supplier	Number of Points for 80/20 Preference Points System	Number of Points for 90/10 Preference Points System
Within the boundaries of the municipality	10	N/A
Outside of the boundaries of the municipality	0	0

The maximum will be proportionately adjusted depending on the number of points allocated for this goal. E.G., 40% will equate to 8/4 points.

- 5) (c) A maximum of 10 points may be allocated in accordance with subparagraph (5)(b).
- 5) (d) The points scored by tender in respect of B-BBEE contribution must be added to the points scored for price as calculated
- 5) (e) Subject to paragraph 4.3.8 of “Standard for Uniformity in Procurement, April 2017”, the contract must be awarded to the tender who scores the highest total number of points.

#### F.3.11.6 Decimal places

Score price, preference and functionality, as relevant, to two decimal places.

#### F.3.11.7 Scoring Price

Score price of remaining responsive tender offers using the following formula:

$$N_{FO} = W_1 \times A$$

**Where:**

$N_{FO}$  = the number of tender evaluation points awarded for price.

$W_1$  = the maximum possible number of tender evaluation points awarded for price as stated in the Tender Data.

$A$  = a number calculated using the formula and option described in Table F.1 as stated in the Tender Data.

**Table F.1: Formulae for calculating the value of A**

Formula	Comparison aimed at achieving	Option 1 <sup>a</sup>	Option 2 <sup>a</sup>
1	Highest price or discount	$A = \left(1 + \frac{P - P_m}{P_m}\right)$	$A = P / P_m$
2	Lowest price or percentage commission / fee	$A = \left(1 - \frac{P - P_m}{P_m}\right)$	$A = P_m / P$
	<sup>a</sup> $P_m$ = is the comparative offer of the most favourable comparative offer. $P$ = is the comparative offer of the tender offer under consideration.		

#### F.3.11.8 Scoring preferences

Confirm that tenderers are eligible for the preferences claimed in accordance with the provisions of the tender data and reject all claims for preferences where tenderers are



not eligible for such preferences. Calculate the total number of tender evaluation points for preferences claimed in accordance with the provisions of the tender data.

#### **F.3.11.9 Scoring functionality**

Score each of the criteria and sub-criteria for quality in accordance with the provisions of the Tender Data.

Calculate the total number of tender evaluation points for quality using the following formula:

$$N_Q = W_2 \times S_O / M_S$$

**Where:**

$S_O$  = the score for quality allocated to the submission under consideration;

$M_S$  = the maximum possible score for quality in respect of a submission; and

$W_2$  = the maximum possible number of tender evaluation points awarded for the quality as stated in the tender data

#### **F.3.12 Insurance provided by the employer**

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

#### **F.3.13 Acceptance of tender offer**

Accept the tender offer; if in the opinion of the employer, it does not present any risk and only if the tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,
- c) has the legal capacity to enter into the contract,
- d) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
- e) complies with the legal requirements, if any, stated in the tender data, and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

#### **F.3.14 Prepare contract documents**

**F.3.14.1** If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents, and
- c) other revisions agreed between the employer and the successful tenderer.

**F.3.14.2** Complete the schedule of deviations attached to the form of offer and acceptance, if any.

#### **F.3.15 Complete adjudicator's contract**






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Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

**F.3.16 Notice to unsuccessful tenderers**

**F.3.16.1** Notify the successful tenderer of the employer's acceptance of his tender offer by completing and returning one copy of the form of offer and acceptance before the expiry of the validity period stated in the tender data, or agreed additional period.

**F.3.16.2** After the successful tenderer has been notified of the employer's acceptance of the tender, notify other tenderers that their tender offers have not been accepted.

**F.3.17 Provide copies of the contracts**

Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

**F.3.18 Provide written reasons for actions taken**

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender, but withhold information, which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

**F3.19 Transparency in the procurement process**

**F3.19.1** The cidb prescripts require that tenders must be advertised and be registered on the cidb i-Tender system.

**F3.19.2** The employer must adopt a transparency model that incorporates the disclosure and accountability as transparency requirements in the procurement process.

**F3.19.3** The transparency model must identify the criteria for selection of projects, project information template and the threshold value of the projects to be disclosed in the public domain at various intervals of delivery of infrastructure projects.

**F3.19.4** The client must publish the information on a quarterly basis, which contains the following information:

- Procurement planning process
- Procurement method and evaluation process
- Contract type
- Contract status
- Number of firms tendering
- Cost estimate
- Contract title
- Contract firm(s)
- Contract price
- Contract scope of work
- Contract start date and duration
- Contract evaluation reports

**F3.19.5** The employer must establish a Consultative Forum which will conduct a random audit in the implementation of the transparency requirements in the procurement process.

**F3.19.6** Consultative Forum must be an independent structure from the bid committees. F3.19.7 The information must be published on the employer's website.

**F 3.19.8** Records of such disclosed information must be retained for audit purposes.

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## 6. GENERAL CONDITIONS OF CONTRACT – GOVERNMENT PROCUREMENT

### 1. DEFINITIONS

The following terms shall be interpreted as indicated:

- 1.1. "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2. "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3. "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 1.4. "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5. "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally
- 1.6. "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7. "Day" means calendar day.
- 1.8. "Delivery" means delivery in compliance of the conditions of the contract or order.
- 1.9. "Delivery ex stock" means immediate delivery directly from stock actually on hand
- 1.10. "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- 1.11. "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
- 1.12. "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable.
- 1.13. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.14. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.15. "GCC" means the General Conditions of Contract.
- 1.16. "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.17. "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.18. "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.



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- 1.19. "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.20. "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.21. "Project site" where applicable, means the place indicated in bidding documents.
- 1.22. "Purchaser" means the organization purchasing the goods.
- 1.23. "Republic" means the Republic of South Africa.
- 1.24. "SCC" means the Special Conditions of Contract.
- 1.25. "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.26. "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.
- 1.27. "Tort" means in breach of contract.
- 1.28. "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.
- 1.29. "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

## **2. Application**

- 2.1. These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2. Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
- 2.3. Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

## **3. General**

- 3.1. Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2. Invitations to bid are usually published in locally distributed news media and on the municipality / municipal entity website.

## **4. Standards**

- 4.1. The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

## **5. Use of contract documents and information; inspection.**

- 5.1. The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.
- 5.2. The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3. Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.



- 5.4. The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

## 6. Patent rights

- 6.1. The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
- 6.2. When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.

## 7. Performance security

- 7.1. Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
- 7.2. The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3. The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
- 7.3.1. bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
- 7.3.2. a cashier's or certified cheque
- 7.4. The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified.

## 8. Inspections, tests and analyses

- 8.1. All pre-bidding testing will be for the account of the bidder. If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspections tests and analysis, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or an organization acting on behalf of the purchaser.
- 8.2. If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.3. If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the goods to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.4. Where the goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.5. Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.



- 8.6. Any contract goods may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected goods shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with goods which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.
- 8.7. The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 22 of GCC.

## 9. Packing

- 9.1. The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, and in any subsequent instructions ordered by the purchaser.

## 10. Delivery

Delivery of the goods shall be made by the supplier in accordance with the documents and terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified.

## 11. Insurance

The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified.

## 12. Transportation

Should a price other than an all-inclusive delivered price be required, this shall be specified.

## 13. Incidental

- 13.1. The supplier may be required to provide any or all of the following services, including additional services, if any:
- 13.1.1. performance or supervision of on-site assembly and/or commissioning of the supplied goods;
  - 13.1.2. furnishing of tools required for assembly and/or maintenance of the supplied goods;
  - 13.1.3. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
  - 13.1.4. performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
  - 13.1.5. training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
- 13.2. Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.



#### 14. Spare parts

- 14.1. As specified, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:
- 14.1.1. such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and;
- 14.1.2. in the event of termination of production of the spare parts:
- 14.1.2.1. advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
- 14.1.2.2. following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

#### 15. Warranty

- 15.1. The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2. This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3. The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4. Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 15.5. If the supplier, having been notified, fails to remedy the defect(s) within the period specified, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

#### 16. Payment

- 16.1. The method and conditions of payment to be made to the supplier under this contract shall be specified.
- 16.2. The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.
- 16.3. Payments shall be made by the purchaser **no later than thirty (30) days** after submission of an **invoice, statement** or claim by the supplier.
- 16.4. Payment will be made in Rand unless otherwise stipulated.

#### 17. Prices

Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized or in the purchaser's request for bid validity extension, as the case may be.

#### 18. Variation orders

In cases where the estimated value of the envisaged changes in purchase does not vary more than 15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. In cases of measurable quantities, the contractor may be approached to reduce the unit price and such offers, may be accepted provided that there is no escalation in price.





## 19. Assignment

The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

## 20. Subcontracts

The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract, if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

## 21. Delays in the supplier's performance

- 21.1. Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2. If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3. The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.4. Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 22 without the application of penalties.
- 21.5. Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

## 22. Penalties

Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

## 23. Termination for default

- 23.1. The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
  - 23.1.1. if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
  - 23.1.2. if the Supplier fails to perform any other obligation(s) under the contract; or
  - 23.1.3. if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2. In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.



- 23.3. Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
- 23.4. If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.
- 23.5. Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchase actively associated.
- 23.6. If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:
- 23.6.1. the name and address of the supplier and / or person restricted by the purchaser;
- 23.6.2. the date of commencement of the restriction
- 23.6.3. the period of restriction; and
- 23.6.4. the reasons for the restriction.
- These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.
- 23.7. If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

#### **24. Anti-dumping and countervailing duties and rights**

When, after the date of bid, provisional payments are required, or antidumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

#### **25. Force Majeure**

- 25.1. Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2. If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.



## 26. Termination for insolvency

The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

## 27. Settlement of Disputes

- 27.1. If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2. If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3. Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4. Notwithstanding any reference to mediation and/or court proceedings herein,
- 27.4.1. the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
- 27.4.2. the purchaser shall pay the supplier any monies due for goods delivered and / or services rendered according to the prescripts of the contract.

## 28. Limitation of liability

- 28.1. Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
- 28.1.1. the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
- 28.1.2. the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment

## 29. Governing language

The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

## 30. Applicable law

The contract shall be interpreted in accordance with South African laws, unless otherwise specified.

## 31. Notices

- 31.1. Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice
- 31.2. The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

## 32. Taxes and duties

- 32.1. A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2. A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.





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- 32.3. No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.
- 32.4. No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

### 33. Transfer of contracts

The contractor shall not abandon, transfer, cede, assign or sublet a contract or part thereof without the written permission of the purchaser.

### 34. Amendment of contracts

No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing.

### 35. Prohibition of restrictive practices.

- 35.1. In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.
- 35.2. If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 Of 1998.
- 35.3. If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

*General Conditions of Contract (revised July 2010)*



## 7. GENERAL CONDITIONS OF TENDER

1. Sealed tenders, with the “**Tender Number and Title**” clearly endorsed on the envelope, must be deposited in the **tender box** at the offices of the Stellenbosch Municipality, Plein Street, Stellenbosch.
2. The tender must be lodged by the Tenderer in the tender box in the Main Hall Entrance, Stellenbosch Municipal Offices, Plein Street, Stellenbosch

**PLEASE NOTE:**

- 2.1. Tenders that are deposited in the incorrect box will not be considered.
  - 2.2. Mailed, telegraphic or faxed tenders will not be accepted.
  - 2.3. Documents may only be completed in non-erasable ink.
  - 2.4. The use of correction fluid/tape is not allowed.
    - 2.4.1. In the event of a mistake having been made, it shall be crossed out in ink and be accompanied by an initial at each and every alteration.
    - 2.4.2. Alterations or deletions not signed by the Tenderer may render the tender invalid.
  - 2.5. All bids must be submitted in writing on the official forms supplied (not to be re-typed)
  - 2.6. All prices shall be quoted in South African currency and be **INCLUSIVE of VAT**.
- 3. Where the value of an intended contract (or company turnover) will exceed R1 000 000, 00 (R1 million) it is the bidder’s responsibility to be registered with the South African Revenue Service (SARS) for VAT purposes in order to be able to issue tax invoices. The municipality will deem the price above R 1 000 000,00 (R1 million) to be VAT inclusive even if it is indicated that no VAT is charged. Please ensure that provision is made for VAT in these instances. The TOTAL price tendered will remain fixed.**
- 3.1 It is a requirement of this contract that the amount of value-added tax (VAT) must be shown clearly on each invoice.
  - 3.2 The amended Value-Added Tax Act requires that a Tax Invoice for supplies in excess of R3 000 should, in addition to the other required information, also disclose the VAT registration number of the recipient, with effect from 1 March 2005. The VAT registration number of the Stellenbosch Municipality is **4700102181**.
- 3 Any Tender received after the appointed time for the closing of Tenders shall not be considered but shall be filed unopened with the other Tenders received or may be returned to the Tenderer at his request.
  - 4 Tenders may not be telefaxed to the Municipality and therefore any tenders received by fax will **not** be considered.
  - 5 Tenders shall be opened in public at the Stellenbosch Municipal Offices as soon as possible after the closing time for the receipt of tenders.
  - 6 The Municipality shall have the right to summarily disqualify any Tenderer who, either at the date of submission of this tender or at the date of its award, is indebted to the Municipality in respect of any rental, levies, rates and/or service charges; ALTERNATIVELY;
    - 6.1 That an agreement be signed whereby the Tenderer agrees that a percentage or fixed amount at the discretion of the Municipality, be deducted from payments due to him for this tender, until the debt is paid in full.
    - 6.2 The tenderer shall declare **all** the Municipal account numbers in the Stellenbosch Area for which the enterprise or the proprietors or directors in their personal capacity is/ are responsible or co-responsible.



**7. Negotiations for a fair market related price**

7.1 The award of the tender may be subject to price negotiation with the preferred tenderers.

**8 This bid will be evaluated and adjudicated according to the following criteria:**

- 8.1 Relevant specifications
- 8.2 Value for money
- 8.3 Capability to execute the contract
- 8.4 PPPFA & associated regulations

**9 Service Level Agreement**

The award of the tender is subject to the signing of a Service Level Agreement (SLA) between the successful bidder and Stellenbosch Municipality.

**10 Centralised Supplier Database**

No Bids will be awarded to a bidder who is not registered on the Centralised Supplier Database (CSD).

The CSD supplier number starting with (MAAA) number is automatically generated by the Central Database System after successful registration and validation of a prospective service provider. This number is now a mandatory requirement, as referred to in regulation 14(1) (b) of the Municipal Supply Chain Management Regulations, as part of the listing criteria for accrediting a prospective service provider. Prospective suppliers should self – register on the CSD website at [www.csd.gov.za](http://www.csd.gov.za) Registration on the CSD will be compulsory in order to conduct business with the STELLENBOSCH MUNICIPALITY. Assistance with CSD Registration can be provided by contacting 021 808 8594 or [Nicolene.Hamilton@stellenbosch.gov.za](mailto:Nicolene.Hamilton@stellenbosch.gov.za)

**Centralised Supplier Database No. MAAA.....**



**8. MBD 4 – DECLARATION OF INTEREST**

1. No bid will be accepted from persons in the service of the state<sup>1</sup>.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.
3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid:

3.1.	Full Name of bidder or his or her representative								
3.2.	Identity Number								
3.3.	Position occupied in the Company (director, shareholder <sup>2</sup> etc.)								
3.4.	Company Registration Number								
3.5.	Tax Reference Number								
3.6.	VAT Registration Number								
3.7.	Are you presently in the service of the state?	YES		NO					
3.7.1.	If so, furnish particulars:								
3.8.	Have you been in the service of the state for the past twelve months?	YES		NO					
3.8.1.	If so, furnish particulars:								

<sup>1</sup> MSCM Regulations: "in the service of the state" means to be –

- a. a member of –
  - i. any municipal council;
  - ii. any provincial legislature; or
  - iii. the National Assembly or the National Council of Provinces;
- b. a member of the board of directors of any municipal entity;
- c. an official of any municipality or municipal entity;
- d. an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- e. an executive member of the accounting authority of any national or provincial public entity; or
- f. an employee of Parliament or a provincial legislature.

<sup>2</sup> "Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.



<b>3.9.</b>	<b>Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid?</b>	<b>YES</b>		<b>NO</b>	
3.9.1.	If so, furnish particulars:				
<b>3.10.</b>	<b>Are you aware of any relationship (family, friend, other) between a bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid?</b>	<b>YES</b>		<b>NO</b>	
3.10.1.	If so, furnish particulars:				
<b>3.11.</b>	<b>Are any of the company's directors, managers, principal shareholders or stakeholders in the service of the state?</b>	<b>YES</b>		<b>NO</b>	
3.11.1.	If so, furnish particulars:				
<b>3.12.</b>	<b>Is any spouse, child or parent of the company's directors, managers, principal shareholders or stakeholders in the service of the state?</b>	<b>YES</b>		<b>NO</b>	
3.12.1.	If so, furnish particulars:				
<b>3.13.</b>	<b>Do you or any of the directors, trustees, managers, principal shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract?</b>	<b>YES</b>		<b>NO</b>	
3.13.1.	If so, furnish particulars:				



3.14.	Please provide the following information on ALL directors/shareholders/trustees/members below:		
Full Name and Surname	Identity Number	Personal Income Tax Number	Provide State <sup>3</sup> Employee Number

**NB:**

a) PLEASE ATTACH CERTIFIED COPY(IES) OF ID DOCUMENT(S)  
 b) PLEASE PROVIDE PERSONAL INCOME TAX NUMBERS FOR ALL DIRECTORS / SHAREHOLDERS / TRUSTEES / MEMBERS, ETC.

**4. DECLARATION**

I, the undersigned (name) \_\_\_\_\_, certify that the information furnished in paragraph 3 above is correct.

I accept that the state may act against me should this declaration prove to be false.

SIGNATURE		DATE	
NAME OF SIGNATORY			
POSITION			
NAME OF COMPANY			

<sup>3</sup> MSCM Regulations: "in the service of the state" means to be –

- a. a member of –
  - i. any municipal council;
  - ii. any provincial legislature; or
  - iii. the National Assembly or the National Council of Provinces;
- b. a member of the board of directors of any municipal entity;
- c. an official of any municipality or municipal entity;
- d. an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- e. an executive member of the accounting authority of any national or provincial public entity; or
- f. an employee of Parliament or a provincial legislature.



**9. MBD5 – DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (VAT INCLUDED)**

For all procurement expected to exceed R10 million (VAT included), bidders must complete the following questionnaire:

1. Are you by law required to prepare annual financial statements for auditing?	YES		NO	
1.1. If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.				
2. Do you have any outstanding undisputed commitments for municipal services towards a municipality or any other service provider in respect of which payment is overdue for more than 30 days?	YES		NO	
2.1. If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days.				
2.2. If yes, provide particulars.				
3. Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?	YES		NO	
3.1. If yes, furnish particulars				
4. Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?	YES		NO	
4.1 If yes, furnish particulars				

**CERTIFICATION**

I, the undersigned (name) \_\_\_\_\_, certify that the information furnished on this declaration form is correct.

I accept that the state may act against me should this declaration prove to be false.

SIGNATURE		DATE	
NAME (PRINT)			
CAPACITY			
NAME OF FIRM			



**STELLENBOSCH**

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**10. MBD6.1 – PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 – PURCHASES/SERVICES 80/20**

**NB:**  
**Before completing this form, bidders must study the general conditions, definitions and directives applicable in respect of B-BBEE, as prescribed in the Preferential Procurement Regulations, 16 January 2023 and the Stellenbosch Preferential Procurement Policy 2024/2025**

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution and any other applicable preference

**1. GENERAL CONDITIONS**

- 1.1 The following preference point systems are applicable to all bids:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
  - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

- 1.2
- a) The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable;

- 1.3 Points for this bid shall be awarded for:
- (a) Price;
  - (b) B-BBEE Status Level of Contributor. and
  - (c) Locality of supplier

- 1.4 The maximum points for this bid are allocated as follows:

	<b>POINTS</b>
<b>PRICE</b>	80
<b>B-BBEE STATUS LEVEL OF CONTRIBUTOR</b>	10
<b>LOCALITY (See definitions)</b>	10
<b>Total points for Price, BBBEE and Locality (must not exceed 100)</b>	<b>100</b>

- 1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.6 Failure on the part of a bidder to submit proof of Locality together with the bid, will be interpreted to mean that preference points for Locality are not claimed.
- 1.7 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.





## 2. DEFINITIONS

- (a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“Locality”** means the local suppliers and/or service providers that business offices are within the Municipal area of Stellenbosch (WC024).
- (h) **“price”** includes all applicable taxes less all unconditional discounts;
- (i) **“proof of B-BBEE status level of contributor”** means:
  - 1) B-BBEE Status level certificate issued by an authorized body or person;
  - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
  - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (j) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (k) **“Specific goals”** means specific goals as contemplated in section 2(1)(d) of the Act which may include contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability including the implementation of programmes of the Reconstruction and Development Programme as published in Government Gazette No. 16085 dated 23 November 1994;
- (l) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;



**3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES**

**4. POINTS AWARDED FOR PRICE**

**4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS**

A maximum of 80 or 90 points is allocated for price on the following basis:

**80/20** or **90/10**

$$Ps = 80 \left( 1 - \frac{Pt - P_{min}}{P_{min}} \right) \text{ or } Ps = 90 \left( 1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where

- Ps = Points scored for price of bid under consideration
- Pt = Price of bid under consideration
- Pmin = Price of lowest acceptable bid

**4.2 FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME-GENERATING PROCUREMENT**

**4.3 POINTS AWARDED FOR PRICE**

A maximum of 80 or 90 points is allocated for price on the following basis:

**80/20** or **90/10**

$$Ps = 80 \left( 1 + \frac{Pt - P_{max}}{P_{max}} \right) \text{ or } Ps = 90 \left( 1 + \frac{Pt - P_{max}}{P_{max}} \right)$$

Where

- Ps = Points scored for price of bid under consideration
- Pt = Price of bid under consideration
- Pmax = Price of highest acceptable bid

**5. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR**

5.1 In terms of Regulation 4 (2) and 5 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining a specific goal specified for the tender

5.2 The tendering conditions will stipulate the specific goals, as contemplated in section 2(1)(d)(ii) of the Preferential Procurement Act, be attained.

5.3 A maximum of 20 points (80/20 preference points system) or 10 (90/10) preference points system), must be allocated for specific goals. These goals are :

- (a) contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender or disability;
- (b) Promotion of enterprises located in the municipal area (WCO24)



5.4 Regarding par 5.3 (a) at least 50% of the 20/10 points must be allocated to promote this goal and points will be allocated in terms of the BBEE scorecard as follows.

<b>B-BBEE Status Level of Contributor</b>	<b>Number of Points for Preference System</b>	<b>Number of Points for Preference System</b>
1	20	10
2	18	9
3	16	8
4	12	5
5	8	4
6	6	3
7	4	2
8	2	1
Non-compliant contributor	0	0

5.5 A tenderer must submit proof of its BBEE status level contributor.

5.6 A tenderer failing to submit proof of BBEE status level of contributor –

5.6.1 may only score in terms of the 80/90-point formula for price; and

5.6.2 scores 0 points out of 10/5 BBEE status level of contributor, which is in line with section 2 (1) (d) (i) of the Act, where the supplier or service provider did not provide proof thereof.

5.7 Regarding par 5.3 (b) a maximum of 50% of the 20/10 points must be allocated to promote this goal. Maximum points will be allocated as follows.

<b>Locality of supplier</b>	<b>Number of Points for Preference System</b>	<b>Number of Points for Preference System</b>
Within the boundaries of the municipality	10	N/A
Outside of the boundaries of the municipality	0	0



**6. BID DECLARATION**

6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution and/or Locality must complete the following:

**7. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1**

7.1 B-BBEE Status Level of Contributor: . = .....(maximum of 10 points)  
 (Points claimed in respect of paragraph 7.1 must be substantiated by relevant proof of B-BBEE status level of contributor.)

7.2 Within the boundaries of Stellenbosch Municipality (WC024)?

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

Business Address - .....  
 .....  
 .....

(Points claimed in respect of paragraph 7.2 must be substantiated by relevant proof that the business premises is situated in the Municipal area of Stellenbosch (WC024). A valid municipal account or proof of valid lease agreement, or sworn affidavit must be attached)

**8. SUB-CONTRACTING**

8.1 Will any portion of the contract be sub-contracted?  
 (*Tick applicable box*)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

8.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE

(*Tick applicable box*)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise

Designated Group: An EME or QSE which is at least 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		



Black people who are military veterans		
<b>OR</b>		
Any EME		
Any QSE		

**9. DECLARATION WITH REGARD TO COMPANY/FIRM**

9.1 Name of company/firm:.....

9.2 VAT registration number:.....

9.3 Company registration number:.....

**9.4 TYPE OF COMPANY/ FIRM**

- Partnership/Joint Venture / Consortium
  - One person business/sole propriety
  - Close corporation
  - Company
  - (Pty) Limited
- [TICK APPLICABLE BOX]

**9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES**

.....  
 .....  
 .....

**9.6 COMPANY CLASSIFICATION**

- Manufacturer
  - Supplier
  - Professional service provider
  - Other service providers, e.g. transporter, etc.
- [TICK APPLICABLE BOX]

**9.7 MUNICIPAL INFORMATION**

**Municipality where business is situated:** .....

**Registered Account Number:** .....

**Stand Number:**.....

9.8 Total number of years the company/firm has been in business:.....

9.9 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as



indicated in paragraph 1 of this form;

- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor/Locality points has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
  - (a) disqualify the person from the bidding process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
  - (e) forward the matter for criminal prosecution.

SIGNATURE OF BIDDER(S):			
WITNESS 1:		WITNESS 2:	
DATE:			
ADDRESS:			



**PLEASE COMPLETE IN FULL YOUR OWN AFFIDAVIT TO CLAIM POINTS**

**SWORN AFFIDAVIT – B-BBEE EXEMPTED MICRO ENTERPRISE – GENERAL (DRAFT EXAMPLE)**  
**(DO NOT USE. USE NEW/APPLICABLE TEMPLATE)**

I, the undersigned,

<b>Full name &amp; Surname</b>	
<b>Identity number</b>	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
2. I am a Member / Director / Owner (Select one) of the following enterprise and am duly authorised to act on its behalf: NB!

<b>Enterprise Name:</b>	
<b>Trading Name (If Applicable):</b>	
<b>Registration Number:</b>	
<b>Vat Number (If applicable)</b>	
<b>Enterprise Physical Address:</b>	
<b>Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):</b>	
<b>Nature of Business:</b>	
<b>Definition of “Black People”</b>	<p>As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 “Black People” is a generic term which means Africans, Coloureds and Indians –</p> <ul style="list-style-type: none"> <li>(a) who are citizens of the Republic of South Africa by birth or descent; or</li> <li>(b) who became citizens of the Republic of South Africa by naturalisation-                             <ul style="list-style-type: none"> <li>i. before 27 April 1994; or</li> <li>ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;”</li> </ul> </li> </ul>





<b>Definition of “Black Designated Groups”</b>	<p>“Black Designated Groups means:</p> <ul style="list-style-type: none"> <li>(a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution;</li> <li>(b) Black people who are youth as defined in the National Youth Commission Act of 1996;</li> <li>(c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act;</li> <li>(d) Black people living in rural and under developed areas;</li> <li>(e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;”</li> </ul>
--	---

3. I hereby declare under Oath that:

- The Enterprise is \_\_\_\_\_% Black Owned using the flow-through principle as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise is \_\_\_\_\_% Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise is \_\_\_\_\_% Black Designated Group Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Black Designated Group Owned % Breakdown as per the definition stated above:
  - Black Youth % = \_\_\_\_\_%
  - Black Disabled % = \_\_\_\_\_%
  - Black Unemployed % = \_\_\_\_\_%
  - Black People living in Rural areas % = \_\_\_\_\_%
  - Black Military Veterans % = \_\_\_\_\_%

- Based on the Audited Financial Statements/Financial Statements and other information available on the latest financial year-end of \_\_\_\_\_(DD/MM/YYYY), the Revenue was R10,000,000.00 (Ten Million Rands) or less **NB!**
- Please Confirm on the below table the B-BBEE Level Contributor, **by ticking the applicable box.**

100% Black Owned	<b>Level One</b> (135% B-BBEE procurement recognition level)	
At least 51% Black Owned	<b>Level Two</b> (125% B-BBEE procurement recognition level)	
Less than 51% Black Owned	<b>Level Four</b> (100% B-BBEE procurement recognition level)	

4. I know and understand the contents of this affidavit and I have no objection to take the



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prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.

- The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: \_\_\_\_\_

Date : \_\_\_\_\_

**NB! ORIGINALLY CERTIFIED/ NOT COPY**

\_\_\_\_\_  
 Commissioner of Oaths  
 Signature & stamp  
 Date:

**EXAMPLE OF POINT SCORING AND ALLOCATION OF PREFERENCE POINTS (80/20) WHERE LOCALITY AS A GOAL IS INCLUDED. STELLENBOSCH PREFERENTIAL PROCUREMENT POLICY.**

BIDDER	PRICE	BBBEE LEVEL (VALID)	BUSINESS PREMISES (IN WC024)
TENDERER A	R 80 000	1	NO
TENDERER B	R 75 000	1	YES
TENDERER C	R 70 000	2	NO

BIDDER	PRICE POINTS (Out of 80)	BBBEE POINTS (Out of 10)	LOCALITY POINTS (Out of 10)	TOTAL POINTS (Out of 100)
TENDERER A	68.57	10	0	78.57
TENDERER B	74.29	10	10	94.29
TENDERER C	80	9	0	89



**11. MBD 8 – DECLARATION OF BIDDER’S PAST SUPPLY CHAIN MANAGEMENT PRACTICES**

1. This Municipal Bidding Document must form part of all bids invited.
2. It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
3. The bid of any bidder may be rejected if that bidder, or any of its directors have:
  - 3.1. abused the municipality’s / municipal entity’s supply chain management system or committed any improper conduct in relation to such system;
  - 3.2. been convicted for fraud or corruption during the past five years;
  - 3.3. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
  - 3.4. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
4. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

4.1	Is the bidder or any of its directors listed on the National Treasury’s database as a company or person prohibited from doing business with the public sector?  <i>(Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the audi alteram partem rule was applied).</i>	<b>Yes</b>	<b>No</b>
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?  <i>(To access this Register enter the National Treasury’s website, <a href="http://www.treasury.gov.za">www.treasury.gov.za</a>, click on the icon “Register for Tender Defaulters” or submit your written request for a hard copy of the Register to facsimile number (012) 3265445).</i>	<b>Yes</b>	<b>No</b>
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	<b>Yes</b>	<b>No</b>



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4.3.1	If so, furnish particulars:		
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	<b>Yes</b>	<b>No</b>
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	<b>Yes</b>	<b>No</b>
4.5.1	If so, furnish particulars:		

**5. CERTIFICATION**

I, the undersigned (full name), \_\_\_\_\_, certify that the information furnished on this declaration form true and correct.

I accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

SIGNATURE:		NAME (PRINT):	
CAPACITY:		DATE:	
NAME OF FIRM:			



**12. MBD 9 – CERTIFICATE OF INDEPENDENT BID DETERMINATION**

1. This Municipal Bidding Document (MBD) must form part of all bids invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).<sup>4</sup> Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
  - 3.1. take all reasonable steps to prevent such abuse;
  - 3.2. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
  - 3.3. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

**CERTIFICATE OF INDEPENDENT BID DETERMINATION:**

In response to the invitation for the bid made by:

**STELLENBOSCH MUNICIPALITY**

I, the undersigned, in submitting the accompanying bid, hereby make the following statements that I certify to be true and complete in every respect:

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:

<sup>4</sup> Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.



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- 5.1. has been requested to submit a bid in response to this bid invitation;
- 5.2. could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
- 5.3. provides the same goods and services as the bidder and/or is in the same line of business as the bidder
- 6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium<sup>5</sup> will not be construed as collusive bidding.
- 7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
  - 7.1. prices;
  - 7.2. geographical area where product or service will be rendered (market allocation)
  - 7.3. methods, factors or formulas used to calculate prices;
  - 7.4. the intention or decision to submit or not to submit, a bid;
  - 7.5. the submission of a bid which does not meet the specifications and conditions of the bid; or
  - 7.6. bidding with the intention not to win the bid.
- 8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No. 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No. 12 of 2004 or any other applicable legislation.

SIGNATURE:		NAME (PRINT):	
CAPACITY:		DATE:	
NAME OF FIRM:			

<sup>5</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.



**13. MBD 10 – CERTIFICATE FOR PAYMENT OF MUNICIPAL SERVICES**

**DECLARATION IN TERMS OF CLAUSE 112(1) OF THE MUNICIPAL FINANCE MANAGEMENT ACT (NO.56 OF 2003)**

I, \_\_\_\_\_, \_\_\_\_\_ (full name and ID no.), hereby acknowledge that according to SCM Regulation 38(1)(d)(i), the Municipality may reject the tender of the tenderer if any municipal rates and taxes or municipal service charges owed by the Tenderer or any of its directors/members/partners to the Stellenbosch Municipality, or to any other municipality or municipal entity, are in arrears for more than 3 (three) months.

I declare that I am duly authorised to act on behalf of \_\_\_\_\_ (name of the firm) and hereby declare, that to the best of my personal knowledge, neither the firm nor any director/member/partner of said firm is in arrears on any of its municipal accounts with any municipality in the Republic of South Africa, for a period longer than 3 (three) months.

I further hereby certify that the information set out in this schedule and/or attachment(s) hereto is true and correct. The Tenderer acknowledges that failure to properly and truthfully complete this schedule may result in the tender being disqualified, and/or in the event that the tenderer is successful, the cancellation of the contract.

PHYSICAL BUSINESS ADDRESS(ES) OF THE TENDERER	MUNICIPAL ACCOUNT NUMBER

**FURTHER DETAILS OF THE BIDDER’S Director / Shareholder / Partners, etc.:**

Director / Shareholder / partner	Physical address of the Business	Municipal Account number(s)	Physical residential address of the Director / shareholder / partner	Municipal Account number(s)

**NB:** Please attach certified copy (ies) of ID document(s) and Municipal Accounts If the entity or any of its Directors/Shareholders/Partners, etc. rents/leases premises, a copy of the rental/lease agreement or sworn affidavit must be submitted with this tender.

- PLEASE SUBMIT MUNICIPAL ACCOUNTS FOR THE FOLLOWING TWO MONTHS AFTER BID CLOSURE TO THE RELEVANT SCM PRACTITIONER SHOULD THE BID NOT BE AWARDED YET.

<b>Signature</b>	<b>Position</b>	<b>Date</b>





**14. COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT, 1993 (ACT 130 OF 1993)**

**COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT, 1993 (ACT 130 OF 1993)**

**Stellenbosch Municipality** has legal duty in terms of Section 89 of the said Act to ensure that all contractors with whom agreements are entered into for the execution of work are registered as employers in accordance with the provisions of this Act and that all the necessary assessments have been paid by the contractor.

In order to enter into this agreement, the following information is needed regarding the above-mentioned:

Contractor's registration number with the office of the Compensation Commissioner:	
--	--

**NOTE:**  
**A copy of the latest receipt together with a copy of the relevant assessment OR a copy of a valid Letter of Good Standing must be handed in, in this regard.**

PRINT NAME:			
CAPACITY:		Name of firm	
SIGNATURE:		DATE:	



**15. FORM OF INDEMNITY**

**INDEMNITY**

Given by (Name of Company) \_\_\_\_\_  
of (registered address of Company) \_\_\_\_\_  
a company incorporated with limited liability according to the Company Laws of the Republic of South Africa (hereinafter called the Contractor), represented herein by (Name of Representative) \_\_\_\_\_  
\_\_\_\_\_ in his capacity as (Designation) \_\_\_\_\_  
of the Contractor, is duly authorised hereto by a resolution dated \_\_\_\_\_ /20\_\_\_\_,  
to sign on behalf of the Contractor.

**WHEREAS** the Contractor has entered into a Contract dated \_\_\_\_\_ / 20\_\_\_\_,  
with the Municipality who require this indemnity from the Contractor.

**NOW THEREFORE THIS DEED WITNESSES** that the Contractor does hereby indemnify and hold harmless the Municipality in respect of all loss or damage that may be incurred or sustained by the Municipality by reason of or in any way arising out of or caused by operations that may be carried out by the Contractor in connection with the aforementioned contract; and also in respect of all claims that may be made against the Municipality in consequence of such operations, by reason of or in any way arising out of any accidents or damage to life or property or any other cause whatsoever; and also in respect of all legal or other expenses that may be incurred by the Municipality in examining, resisting or settling any such claims; for the due performance of which the Contractor binds itself according to law.

SIGNATURE OF CONTRACTOR:	
DATE:	
SIGNATURE OF WITNESS 1:	
DATE:	
SIGNATURE OF WITNESS 2:	
DATE:	



## **PART B – SPECIFICATIONS AND PRICING SCHEDULE**



**16. SPECIFICATIONS**

**1. INTRODUCTION**

The Stellenbosch Municipality invites tenders for the supply, delivery, installation, and maintenance of CCTV/LPR camera systems, including the supply and delivery of body-worn cameras and required accessories for a period ending 30 June 2028.

**2. BACKGROUND**

The Municipality currently utilizes Milestone Professional R2 open platform for its surveillance infrastructure, ensuring security and monitoring of public spaces. To enhance and expand this system, the Municipality seeks qualified service providers to undertake the installation, upgrade, and maintenance of CCTV and License Plate Recognition (LPR) systems. This tender covers various aspects, including CCTV installations, LPR installations, supply and installation of body-worn cameras, control room equipment and related accessories/enhancements.

**3. SCOPE OF WORK**

The project scope is categorized as follows:

- a) Category A: Supply, delivery and installation of new CCTV cameras with required software, and related equipment as well as maintenance, repair, replacement and upgrading of existing CCTV cameras and related equipment.
- b) Category B: Supply, delivery and installation of new LPR cameras with required software, cloud services and related equipment as well as maintenance, repair, replacement and upgrading of existing LPR cameras and related equipment.
- c) Category C: Supply, delivery and installation of new body worn cameras, live stream features, Wi-Fi devices as well as maintenance, repair, replacement and upgrading of existing body worn cameras, hardware and related equipment.
- d) Category D: Supply, delivery and installation of new control room equipment, as well as maintenance, replacement, repair and upgrading of existing control room and related equipment.

The Municipality will appoint one service provider as the preferred bidder for all categories with a standby successful bidder. Should the first bidder fail to provide or deliver any of the specified items, the standby successful service provider will be automatically appointed.

PRINT NAME:			
CAPACITY:		Name of firm	
SIGNATURE:		DATE:	



**4. APPLICABLE LEGISLATION, STANDARDS AND COMPLIANCES**

In South Africa, the use of closed-circuit television (CCTV) systems is subject to legal and regulatory requirements to protect the rights and privacy of individuals. Bidders are required to comply with the following legal requirements:

- 4.1. Protection of Personal Information Act (POPIA) – (Act No. 4 of 2013)
- 4.2. South African Bureau of Standards (SABS) Compliance – (SANS 10142, SANS 1546, etc.)
- 4.3. The Electronic Communications and Transactions Act (ECTA) – (Act No. 25 of 2002)
- 4.4. National Road Traffic Act (RTA) – (Act No. 93 of 1996)
- 4.5. Cybercrimes Act – (Act No. 19 of 2020)
- 4.6. The Regulation of Interception of Communications and Provision of Communication-Related Information Act (RICA) – (Act No. 70 of 2002)
- 4.7. Local Municipal Legislation, especially of Stellenbosch Municipality
- 4.8. Occupational Health and Safety Act (OHSA) – (Act No. 85 of 1993)
- 4.9. Independent Communications Authority of South Africa Act – (Act No. 13 of 2000)

**5. GENERAL**

**5.1. CCTV**

**5.1.1. Site Survey and Risk Assessment CCTV/LPR**

A detailed site survey is essential for planning and installing CCTV cameras to ensure optimal coverage, proper network integration, and long-term reliability. The survey should assess physical, environmental, technical, and compliance factors before installation. The site survey must consist of (but not limited to):

- a) Identify surveillance objectives.
- b) Mapping out coverage areas.
- c) Camera placement considerations.
- d) Camera type (PTZ, Fisheye, bullet or dome etc.) based on location (entrances, exits, indoor, outdoor, streets, public spaces etc.) including camera features assessment.
- e) Network infrastructure assessment regarding connectivity and bandwidth requirements, power supply and backup solutions.
- f) Environmental and physical conditions such as lighting conditions, mounting and installation considerations.
- g) Storage and video retention requirements such as NVR or hybrid cloud storage, storage capacity planning, and cybersecurity measures.
- h) Integration with existing security systems.
- i) Compliance and legal considerations.
- j) Testing, calibration and verification.

PRINT NAME:			
CAPACITY:		Name of firm	
SIGNATURE:		DATE:	



k) Documentation and reporting.

**5.1.2. Installations (new and existing CCTV/LPR)**

- a) Supply, delivery, and installation of High-Definition (HD) indoor/outdoor CCTV cameras and high-speed LPR cameras with OCR (Optical Character Recognition).
- b) Strategic placement of cameras to ensure maximum coverage, using poles, brackets, and secure mounting solutions.
- c) Installation of Fiber optic or Ethernet cabling for connectivity and configuration of Power over Ethernet (PoE) switches, in collaboration with the Municipality’s ICT department to ensure seamless network integration and compliance with existing infrastructure standards.
- d) Deployment of on-premises NVRs (Network Video Recorders) or hybrid cloud storage with RAID configuration for redundancy.
- e) Integration with existing CCTV/LPR infrastructure, municipal security, intruder detection alarm, and access control systems, along with software setup for AI-based video analytics and real-time monitoring.
- f) Installation of weatherproof and vandal-resistant camera enclosures, including surge protection and grounding solutions.
- g) Calibration of cameras for optimal performance, conducting coverage tests, and making necessary adjustments.
- h) Power backup solutions (e.g., UPS or solar power) for areas without reliable electricity sources.
- i) The successful service provider may integrate with the existing Milestone open platform. However, they must upgrade the existing platform to a more advanced platform with improved functionalities or propose an alternative equivalent platform with enhanced analytics and advanced features. The upgraded or alternative platform must support AI-based video analytics, facial recognition, object detection, motion tracking, real-time alerts, remote monitoring, automated reporting, cloud storage integration, multi-camera synchronization, role-based access control, and cybersecurity enhancements.
- j) Secure cloud storage for captured LPR data, with encrypted data storage and retention policies compliant with local laws. Ability to store and retrieve data based on customizable retention periods (e.g., 30 days, 60 days). Redundant backup systems to protect against data loss.
- k) Training municipal personnel on system operation, troubleshooting, and providing manuals and system documentation.
- l) The appointed service provider must, at their own expense, provide security protection when conducting any work or assessment in high-risk areas for their own safety and protection. The Municipality will not be held liable for any incidents that may occur such as theft, robbery, assault etc.

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**5.1.3. Maintenance, Upgrades, Repairs, Replacements and Emergency Calls Outs**

- a) All upgrades, replacements and repairs must be tested and ensure that the camera performance and clarity is fully restored to its original state.
- b) The appointed service provider shall be responsible, at regular intervals, for the maintenance of all CCTV and LPR cameras by ensuring camera performance, power supply, positioning, periodic check-ups, and firmware are up to date, checked and inspected. The appointed service provider must ensure that the cameras and camera housing are clean from dust, dirt, debris, cobwebs, water, rust etc. This includes mounting brackets.
- c) All installations, upgrades and/or replacements of CCTV/LPR cameras must be updated on the Camera Master Plan at no additional cost to the Municipality.
- d) Emergency call out response must be within 2 hours of receiving the call and any repair work must be within 4 hours of receiving the call. The technician must test all repair work to ensure all equipment and systems are fully functional to its original state.
- e) Maintenance is not limited to CCTV and LPR cameras alone. Other maintenance, repairs, replacements, upgrades and emergency call outs will include at server rooms, risers, switch locations etc., to ensure that the system is fully functional at all times.
- f) The technician must submit a service sheet to the job card upon completion of service or call out and handed over to the Deputy Chief Law Enforcement Security and CCTV to ensure all services stated are done and that the system is fully functional and restored to its original state.

**5.1.4. Functionality of Monitoring Software**

- a) With technology advancing, the Municipality requires a more advanced monitoring software that leverages AI Technology. The add-on features must be compatible with third party cameras or any other compatible software. The software must be kept up to date with the latest features. These mentioned features of the software include, but not limited to:
- b) Perimeter and behaviour event detection that can identify and flag anomalies where people, vehicles and objects are involved.
- c) Appearance search where the operator can upload a picture of a missing person, wanted suspect or even a vehicle/bicycle and search the entire cloud where the object or person was located. Other search criteria can include searching for any clothing type, colour, projection lane movement etc.
- d) Just as appearance search, facial recognition can be used to identify people entering a premises, such as the Municipality, and that will alert the operator if that person is a wanted suspect etc.

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- e) Remote off-site monitoring from any connected smart device
- f) Remote door access grants
- g) Focus of attention interface
- h) Presence detector to trigger an event/alarm
- i) License plate reader and event searching
- j) Connection failovers, logging of faulty networks or cameras
- k) Alarm searching
- l) Unusual motion and activity detection timeline filtering
- m) Intelligent motion, thumbnail, and event search
- n) Two-factor authentication and emergency override
- o) Two-person authentication recorded video viewing

**5.1.5. Camera Licenses**

**a) Licensing Requirements**

The appointed service provider shall ensure that all CCTV and License Plate Recognition (LPR) cameras comply with licensing requirements, including but not limited to:

- i. VMS (Video Management System) Licenses: Cameras must be compatible with the existing or proposed VMS platform, and the necessary licenses must be procured.
- ii. LPR Software Licenses: If LPR cameras are included, the appointed service provider must provide licenses for plate recognition software, including database integration and analytics features.
- iii. Per-Camera Licensing: Each camera requiring analytics, storage, or remote access must have an appropriate license to ensure full functionality.
- iv. Renewals and Support: The appointed service provider must specify whether the licenses are perpetual or subscription-based and include details on renewal costs and support services.

**b) Compliance & Certification**

All licenses must:

- i. Be legally obtained and valid for the duration of the project or when the camera(s) have been decommissioned by the Municipality.
- ii. Include updates, patches, and manufacturer support.
- iii. Comply with data protection and cybersecurity regulations applicable to the project location.

**c) Documentation & Handover**

- i. The appointed service provider must provide:
  - A detailed licensing report, including activation keys and expiry dates.
  - Proof of purchase or vendor agreement.
  - Technical support and warranty information.

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- ii. The Municipality will provide the necessary local network infrastructure to support its existing camera network. However, this tender allows for tenderers to carry out any required cabling or related work if necessary. The tender stipulates a “like for like” replacement of existing systems, ensuring full compatibility with the current software, systems, equipment, and ancillary components. It is the responsibility of the tenderer to ensure that any proposed equivalent systems integrate seamlessly into the existing infrastructure, without causing any disruption to operations, and at no additional cost to the Municipality.
- iii. Given the variability of each installation site—considering factors such as location, scale, security requirements, and other variables—it is not possible to provide a comprehensive list of equipment, materials, and services that will meet every situation. Additionally, due to the continuous advancement of relevant technologies, specifications may quickly become outdated. As such, this tender requires tenderers to propose equipment from a range of categories, with specifics to be determined on a case-by-case basis for each project. However, all proposals must meet the specified minimum requirements for all projects.

**5.2. Warranty**

- i. All security system components and labour furnished by the contractor including wiring, software, hardware, and custom parts shall be fully warranted for parts, materials, labour, and travel expenses for a minimum of three (3) years from date of the final acceptance of the system.
- ii. The manufacturer shall provide warranty and optional extended warranty for the items for a total period of maximum five years. If enacted as part of the contract, the contractor will repair or replace parts and/or labour per the warranty for the length of this warranty at no cost to the Municipality.
- iii. Data Security and Privacy
- iv. The CCTV and LPR network cameras must be implemented with encryption protocols to protect the transmission and storage of data to help prevent unauthorized access to the video footage and other sensitive information.
- v. Implementation of a strong authentication method(s) to limit access to authorized personnel only such as user login credentials with separate access levels, biometric verification etc.
- vi. In accordance with the paragraph above, audit logs to be maintained to track access to the CCTV / LPR system and video footage to help identify unauthorized access or breaches.
- vii. The appointed service provider must also provide training to employees of all access level types to ensure each user understands the platform and can operate and utilize the monitoring software.

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**5.3. Intellectual Property Rights**

- i. The supplier/service provider acknowledges that it shall not acquire any right, title, or interest in or to the Intellectual Property of the Municipality.
- ii. The supplier/service provider hereby assigns to the Municipality, all Intellectual Property created, developed, or otherwise brought into existence by it for the purposes of the contract, unless the Parties expressly agree otherwise in writing.
- iii. In the event that the contract is cancelled, terminated, ended, or is declared void, any and all of the Municipality’s Intellectual Property, and any and all information and data related thereto, shall be immediately handed over to the Municipality by the service provider/supplier and no copies thereof shall be retained by the supplier unless the Municipality expressly and in writing, after obtaining due internal authority, agrees otherwise.

**5.4. Backup Solutions**

- i. The appointed service provider must ensure that a backup solution is put in place, at no additional cost to the Municipality, in the event of a technical failure for:
  - Any NVR device
  - Camera device
  - Desktop PC/Server device
- ii. The appointed service provider must ensure that server roll backs are available and restore points are successfully created before attempting to install, replace, update, or perform any repairs or maintenance work.
- iii. Should an NVR device crash, recording must be switched to the next available NVR device.
- iv. It will remain the service provider’s responsibility to return any equipment and/or software to its original state should there be any technical failure.

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**6. TECHNICAL SPECIFICATIONS**

<b>CONDITIONS FOR THE SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND REPAIRS OF NEW AND EXISTING CCTV, LPR SYSTEMS, ACCESSORIES, AND RELATED EQUIPMENT</b>	<b>COMPLIANCE Yes/No</b>
<p>1. General Requirements</p> <ul style="list-style-type: none"> <li>a) All CCTV/LPR cameras, accessories, and equipment must be brand new, original, and from a reputable manufacturer with a minimum 3-year warranty.</li> <li>b) The cameras must support Open Network Video Interface Forum (ONVIF) compliance to ensure interoperability with third-party VMS (Video Management Systems).</li> <li>c) The CCTV/LPR system must include surge protection and power backup solutions to prevent failure during power fluctuations.</li> <li>d) All supplied equipment must have certificates of conformity complying with South African regulations, including:                             <ul style="list-style-type: none"> <li>• NRCS (National Regulator for Compulsory Specifications) Approval</li> <li>• ICASA Type Approval (for wireless or network-based cameras)</li> <li>• SABS Compliance (for safety and performance standards)</li> <li>• International standards such as CE, FCC, and RoHS (where applicable)</li> </ul> </li> <li>e) The system must be scalable and modular to allow future expansions and upgrades.</li> <li>f) All equipment must be weatherproof and vandal-proof where applicable, meeting the required IP and IK ratings.</li> <li>g) Bidders are required to meet or exceed the minimum specifications outlined in this document. If an equivalent item is proposed, the bidder must provide detailed technical specifications demonstrating that the alternative product meets or surpasses the required standards.</li> </ul>	
<p>2. Camera Performance Requirements</p> <ul style="list-style-type: none"> <li>a) All cameras must support a minimum of 1080p (2MP) resolution, with higher-end cameras offering 4MP, 8MP (4K) resolution.</li> <li>b) The cameras must have True Wide Dynamic Range (WDR) (120dB minimum) for better image clarity in challenging lighting conditions.</li> <li>c) Infrared (IR) night vision must be provided, with a minimum IR range of 30m for indoor cameras and 80m for outdoor cameras.</li> <li>d) Outdoor cameras must have a minimum IP67 rating for weather resistance and IK10 rating for vandal resistance.</li> <li>e) PTZ cameras must have a minimum optical zoom of 20x and support auto-tracking and motion detection.</li> <li>f) Thermal cameras must have temperature detection capability, with an operational range of -40°C to 150°C.</li> <li>g) Cameras must support H.265/H.264 video compression to optimize storage usage and bandwidth.</li> <li>h) The camera features listed are not limited to the technical specifications. Bidders may propose additional advanced functionalities such as AI-based analytics, facial recognition, license plate recognition</li> </ul>	

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<b>CONDITIONS FOR THE SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND REPAIRS OF NEW AND EXISTING CCTV, LPR SYSTEMS, ACCESSORIES, AND RELATED EQUIPMENT</b>	<b>COMPLIANCE Yes/No</b>
<p>(LPR), and perimeter intrusion detection, provided they enhance the performance and security of the system.</p> <p>i) License Plate Recognition (LPR) cameras must be included as part of the solution for applications such as vehicle access control and monitoring. These cameras should have:</p> <ul style="list-style-type: none"> <li>• A minimum resolution of 2MP (for optimal recognition).</li> <li>• Capability to detect and recognize license plates under low light conditions and at high speeds (for example, vehicles moving at up to 120 km/h).</li> <li>• Infrared (IR) lighting or equivalent illumination for nighttime functionality.</li> <li>• Integration with the central video management system for real-time plate recognition, logging, and searchable database.</li> <li>• If a bidder proposes an alternative model, they must provide documented proof that the proposed camera meets or exceeds these specifications.</li> </ul> <p>j) If a bidder proposes an alternative model, they must provide documented proof that the proposed camera meets or exceeds these specifications.</p>	
<p>3. Video Recording and Storage Requirements</p> <p>a) All Network Video Recorder (NVR) or Digital Video Recorder (DVR) must include a minimum storage retention of 30 days.</p> <p>b) NVR/DVR units must support RAID 5 or higher for redundancy and data protection.</p> <p>c) The storage solution must be scalable to accommodate additional cameras and increased retention periods.</p> <p>d) The NVR/DVR must support motion-based recording, event-triggered recording, and continuous recording.</p> <p>e) Remote access via web, mobile app, and client software must be available with multi-user support.</p> <p>f) System logs and recorded footage must be protected with user authentication and encryption.</p> <p>g) Any proposed alternative recording solution must be clearly documented and include details of storage capacity, redundancy features, and remote access capabilities.</p>	
<p>4. Installation and Cabling Requirements</p> <p>a) All cabling and conduits must be neatly installed, concealed where possible, and secured against tampering.</p> <p>b) Cat6 Ethernet cables must be used for IP cameras, with PoE switches providing power where required.</p> <p>c) Coaxial cables with power (RG59 + 2C) or equivalent must be used for analog HD cameras.</p> <p>d) All outdoor cables must be UV-resistant and weatherproof.</p> <p>e) Fiber-optic connections must be used for long-distance transmission, typically exceeding 100 meters. However, this requirement is not limited</p>	

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<p>to this distance and may be applied to any transmission scenario where fiber-optic technology offers superior performance, reliability, or bandwidth requirements.</p> <p>f) Proper grounding and electrical surge protection must be provided at all installation points.</p> <p>g) Bidders proposing alternative cabling solutions must ensure compatibility with the specified equipment and meet international standards for data transmission and durability.</p>	
<p>5. Power and Backup Requirements</p> <p>a) The CCTV/LPR system must be powered via UPS (Uninterruptible Power Supply) to ensure continuous operation during power outages.</p> <p>b) The system must include a suitable inverter that ensures stable AC power for all CCTV/LPR equipment during power interruptions, particularly for systems not directly powered by DC sources. The inverter must be compatible with the backup batteries and provide reliable performance.</p> <p>c) PoE (Power over Ethernet) should be used where applicable to reduce cable clutter and simplify power distribution.</p> <p>d) All power adapters and supplies must be certified and rated for continuous 24/7 operation.</p> <p>e) If an alternative power solution, including inverters or power backup systems, is proposed, it must be justified with technical documentation demonstrating its reliability, compatibility with the CCTV/LPR system, and compliance with local power standards.</p>	
<p>6. Maintenance and Repairs</p> <p>a) The bidder must provide a comprehensive maintenance and repair plan that includes both preventative maintenance and on-demand repair services.</p> <p>b) Maintenance schedule: The system must be serviced at least once every 6 months to ensure all equipment is functioning optimally. The maintenance must include the cleaning of cameras, checking of system logs, and updating of firmware or software as required. Response time for repairs: The bidder must ensure that repairs are carried out within 48 hours of being notified of a fault. The maintenance and repair contract must cover all aspects of the CCTV system, including cameras, NVR/DVR, cables, network components, and power supplies. Spare parts: The bidder must ensure the availability of genuine spare parts for the CCTV equipment for the duration of the warranty period and maintenance contract. Warranty extension: The bidder must offer an option for a maintenance contract and warranty extension beyond the initial warranty period of 3 years. Training for maintenance personnel: The bidder must provide training to designated maintenance personnel on system operation, basic</p>	

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<b>CONDITIONS FOR THE SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND REPAIRS OF NEW AND EXISTING CCTV, LPR SYSTEMS, ACCESSORIES, AND RELATED EQUIPMENT</b>	<b>COMPLIANCE Yes/No</b>
<p>troubleshooting, and routine maintenance tasks. Documentation and Reporting: Maintenance and repair services must be documented in a service report, which includes details of any repairs, replacements, and system checks performed. These reports must be made available to the client upon request.</p>	
<p>7. Monitoring and Control</p> <ul style="list-style-type: none"> <li>a) The CCTV/LPR system must be integrated with a centralized monitoring station for live surveillance.</li> <li>b) Multi-level user access control must be implemented, with password-protected logins and role-based permissions.</li> <li>c) The system must support real-time alerts, motion detection notifications, and intrusion detection alerts.</li> <li>d) Video playback and retrieval must allow time stamp-based searching, event filtering, and export capabilities.</li> </ul>	
<p>8. Compliance and Documentation</p> <ul style="list-style-type: none"> <li>a) The appointed service provider must provide as-built drawings, system schematics, and a complete inventory list of installed equipment must be updated on the Camera Master Plan.</li> <li>b) A user manual and training session must be provided to designated personnel for system operation.</li> <li>c) All installations must comply with local and international CCTV/LPR regulations and data protection laws.</li> <li>d) A testing and commissioning report must be submitted upon completion, certifying that the system is fully functional.</li> <li>e) If any equipment deviates from the specifications, bidders must provide a detailed comparison highlighting the equivalency or superiority of the proposed alternative.</li> </ul>	

<b>CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS</b>	<b>COMPLIANCE Yes/No</b>
<b>1. INDOOR CCTV CAMERAS</b>	
<ul style="list-style-type: none"> <li>a) Dome Cameras                             <ul style="list-style-type: none"> <li>i. Imaging:                                     <ul style="list-style-type: none"> <li>• Resolution: 6MP 1080p (1920x1080) Full HD</li> <li>• Image Sensor: 1/2" CMOS</li> <li>• Lens Type: 4.9 – 8mm</li> <li>• Field of View (FOV): 105°</li> <li>• Minimum Illumination: 0.01 Lux (Colour) / 0 Lux (IR On)</li> </ul> </li> <li>ii. Night Vision:                                     <ul style="list-style-type: none"> <li>• Infrared (IR) Range: 20000 mm</li> <li>• IR LEDs: 24 pcs</li> <li>• Smart IR: Yes</li> </ul> </li> <li>iii. Motion Detection:                                     <ul style="list-style-type: none"> <li>• Motion Detection: Yes (With Adjustable Sensitivity)</li> </ul> </li> </ul> </li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Alert Type: On Screen</li> <li>iv. Connectivity:                             <ul style="list-style-type: none"> <li>• Network Connectivity: Wired - PoE (Power over Ethernet), 10/100 Mbps Ethernet, Wireless - Wi-Fi 802.11b/g/n</li> <li>• Remote Access: Yes</li> </ul> </li> <li>v. Power Supply:                             <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 12V DC</li> <li>• Power Consumption: 5W (PoE)</li> </ul> </li> <li>vi. Storage:                             <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> </li> <li>vii. Durability:                             <ul style="list-style-type: none"> <li>• Weatherproof Rating: IP66/67 (Indoor Use)</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: -40°C to +65°C</li> </ul> </li> <li>viii. Compression and Video:                             <ul style="list-style-type: none"> <li>• Video Compression: H.264 / H.265 with HDSM Smart Codec Technology</li> <li>• Frame Rate: 30fps at 1080p</li> </ul> </li> <li>ix. Smart Features:                             <ul style="list-style-type: none"> <li>• AI Detection: Motion Detection / Human Detection</li> <li>• Video Analytics: Next-Generation Video Analytics with expanded object classifications</li> </ul> </li> <li>x. Control and PTZ:                             <ul style="list-style-type: none"> <li>• Pan/Tilt/Zoom: Fixed Position (Non-PTZ)</li> <li>• Remote Control: No (Fixed Lens)</li> </ul> </li> <li>xi. Dimensions &amp; Design:                             <ul style="list-style-type: none"> <li>• Dimensions: 181 mm x 181 mm x 164mm</li> <li>• Weight: at least 1640 g</li> <li>• Design: Compact, White Dome</li> </ul> </li> <li>xii. Warranty &amp; Support:                             <ul style="list-style-type: none"> <li>• Warranty: minimum 2 Years</li> </ul> </li> </ul>	
<p>b) Bullet Camera (Indoor-rated)</p> <ul style="list-style-type: none"> <li>i. Imaging:                             <ul style="list-style-type: none"> <li>• Resolution: Up to 5MP 1080p (1920x1080) Full HD</li> <li>• Image Sensor: 1/2.9" CMOS</li> <li>• Lens Type: Multiple options, including 3.1–8.4 mm and 9–22 mm</li> <li>• Field of View (FOV): 90°</li> <li>• Minimum Illumination: 0.02 Lux (Colour) / 0 Lux (IR On)</li> </ul> </li> <li>ii. Night Vision:                             <ul style="list-style-type: none"> <li>• Infrared (IR) Range: 20000 mm</li> <li>• IR LEDs: 18 pcs</li> <li>• Smart IR: Yes</li> </ul> </li> <li>iii. Motion Detection:</li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Motion Detection: Yes (With Adjustable Sensitivity)</li> <li>• Alert Type: On Screen</li> </ul> <p>iv. Connectivity:</p> <ul style="list-style-type: none"> <li>• Network Connectivity: Wired - PoE (Power over Ethernet), 10/100 Mbps Ethernet, Wireless - Wi-Fi 802.11b/g/n</li> <li>• Remote Access: Yes</li> </ul> <p>v. Power Supply:</p> <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 12V DC</li> <li>• Power Consumption: 6W (PoE)</li> </ul> <p>vi. Storage:</p> <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> <p>vii. Durability:</p> <ul style="list-style-type: none"> <li>• Weatherproof Rating: IP66/67 (Indoor/Outdoor Use)</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: -40°C to + 65°C</li> </ul> <p>viii. Compression and Video:</p> <ul style="list-style-type: none"> <li>• Video Compression: H.264 / H.265 with High-Definition Stream Management (HDSM) technology</li> <li>• Frame Rate: 30fps at 1080p</li> </ul> <p>ix. Smart Features:</p> <ul style="list-style-type: none"> <li>• AI Detection: Motion Detection / Human Detection</li> </ul> <p>x. Control and PTZ: Fixed Position (Non-PTZ)</p> <p>xi. Dimensions &amp; Design:</p> <ul style="list-style-type: none"> <li>• Dimensions: 126 x 280 x 91 mm</li> <li>• Weight: about 1710 g</li> <li>• Design: Compact, White Bullet</li> </ul> <p>xii. Warranty &amp; Support:</p> <ul style="list-style-type: none"> <li>• Warranty: minimum 2 Years</li> </ul>	
<p>c) PTZ Camera (Indoor)</p> <p>i. Imaging:</p> <ul style="list-style-type: none"> <li>• Resolution: 2MP up to 4MP 1080p (1920x1080) Full HD</li> <li>• Lens Type: Motorized Zoom Lens</li> <li>• Field of View (FOV): 90° (wide) to 30° (zoomed)</li> <li>• Minimum Illumination: 0.05 Lux (Colour) / 0 Lux (IR On)</li> </ul> <p>ii. Pan/Tilt/Zoom (PTZ) Specifications:</p> <ul style="list-style-type: none"> <li>• Pan Range: 0° - 360° (endless rotation)</li> <li>• Tilt Range: -10° to 90° (automatic flip)</li> <li>• Zoom: 30x Motorized Optical Zoom</li> <li>• Zoom Control: Remote-controlled via app/web interface</li> </ul> <p>iii. Night Vision:</p> <ul style="list-style-type: none"> <li>• Low-Light Performance: Enhanced imaging in various lighting conditions.</li> <li>• Smart IR: Yes</li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>iv. Motion Detection:                             <ul style="list-style-type: none"> <li>• Motion Detection: Yes (Customizable Sensitivity and Zones)</li> <li>• Alert Type: On Screen</li> <li>• Auto-Tracking: Yes (tracks detected movement automatically)</li> </ul> </li> <li>v. Connectivity:                             <ul style="list-style-type: none"> <li>• Network Connectivity:                                     <ul style="list-style-type: none"> <li>○ Wired: PoE (Power over Ethernet), 10/100 Mbps Ethernet</li> <li>○ Wireless: Wi-Fi 802.11b/g/n</li> </ul> </li> <li>• Remote Access: Yes</li> </ul> </li> <li>vi. Power Supply:                             <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 12V DC</li> <li>• Power Consumption: 12W (PoE)</li> </ul> </li> <li>vii. Storage:                             <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> </li> <li>viii. Durability:                             <ul style="list-style-type: none"> <li>• Weatherproof Rating IP66/67 weather rating, and NEMA 4X enclosure rating</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: Operate within standard indoor temperature ranges.</li> </ul> </li> <li>ix. Compression and Video:                             <ul style="list-style-type: none"> <li>• Video Compression: H.264 / H.265 with efficient bandwidth management</li> <li>• Frame Rate: 30fps at 1080p</li> </ul> </li> <li>x. Smart Features:                             <ul style="list-style-type: none"> <li>• AI Detection: Motion Detection / Human Detection / Face Recognition</li> <li>• Video Analytics: Next-Generation Video Analytics with auto-tracking capabilities</li> </ul> </li> <li>xi. Control and PTZ:                             <ul style="list-style-type: none"> <li>• Pan/Tilt/Zoom Control: Remote, Operator</li> <li>• Preset Positions: Up to 16 preset positions for quick view points</li> <li>• Auto Tour: Yes (supports auto-patrol feature to rotate between presets)</li> </ul> </li> <li>xii. Dimensions &amp; Design:                             <ul style="list-style-type: none"> <li>• Dimensions: 225 mm (height) × 225 mm (width)</li> <li>• Weight: about 3.45 kg</li> <li>• Design: Compact, White PTZ Dome</li> </ul> </li> <li>xiii. Warranty &amp; Support:                             <ul style="list-style-type: none"> <li>• Warranty: minimum 2 Years</li> </ul> </li> </ul>	
<b>2. OUTDOOR CCTV CAMERAS</b>	
a) Bullet Camera	
i. Imaging:	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Resolution: up to 8MP 4K (3840x2160) Ultra HD</li> <li>• Lens Type: 3.3 – 9 mm or 9 – 22 mm motorized varifocal lens</li> <li>• Field of View (FOV): 90°</li> <li>• Minimum Illumination: 0.01 Lux (Colour) / 0 Lux (IR On)</li> <li>ii. Night Vision:                             <ul style="list-style-type: none"> <li>• Infrared (IR) Range: Up to 50m adaptive IR</li> <li>• Low-Light Performance: Enhanced with Light Catcher technology</li> <li>• Smart IR: Yes</li> </ul> </li> <li>iii. Motion Detection:                             <ul style="list-style-type: none"> <li>• Motion Detection: Yes (Custom Adjustable Sensitivity)</li> <li>• Alert Type: On Screen</li> <li>• Area Masking: Yes (selective zone for motion detection)</li> </ul> </li> <li>iv. Connectivity:                             <ul style="list-style-type: none"> <li>• Network Connectivity:                                     <ul style="list-style-type: none"> <li>○ Wired: PoE (Power over Ethernet), 10/100 Mbps Ethernet</li> <li>○ Wireless: Wi-Fi 802.11b/g/n</li> </ul> </li> <li>• Remote Access: Yes</li> </ul> </li> <li>v. Power Supply:                             <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 12V DC</li> <li>• Power Consumption: 8W (PoE)</li> </ul> </li> <li>vi. Storage:                             <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> </li> <li>vii. Durability:                             <ul style="list-style-type: none"> <li>• Weatherproof Rating: IP66/67 (Waterproof and Dustproof for Outdoor Use)</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: -40°C to +65°C</li> </ul> </li> <li>viii. Compression and Video:                             <ul style="list-style-type: none"> <li>• Video Compression: H.264 / H.265 with HDSM Smart Codec</li> <li>• Frame Rate: 30fps at 4K</li> </ul> </li> <li>ix. Smart Features:                             <ul style="list-style-type: none"> <li>• AI Detection: Motion Detection / Human Detection / Vehicle Detection</li> <li>• AI Video Analytics: Next-Generation Object Detection and Auto-Tracking</li> </ul> </li> <li>x. Dimensions &amp; Design:                             <ul style="list-style-type: none"> <li>• Dimensions: 87 mm x 278 mm</li> <li>• Weight: about 1.45 kg</li> <li>• Design: Compact, White Bullet</li> </ul> </li> <li>xi. Warranty &amp; Support:                             <ul style="list-style-type: none"> <li>• Warranty: minimum 3 Years</li> </ul> </li> </ul>	
b) Dome Camera (Outdoor-rated)	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>i. Imaging:                             <ul style="list-style-type: none"> <li>• Resolution: up to 8MP 4K (3840x2160) Ultra HD</li> <li>• Lens Type: 3.3 – 9 mm or 9 – 22 mm motorized varifocal lens</li> <li>• Field of View (FOV): 110°</li> <li>• Minimum Illumination: 0.01 Lux (Colour) / 0 Lux (IR On)</li> </ul> </li> <li>ii. Night Vision:                             <ul style="list-style-type: none"> <li>• Infrared (IR) Range: Infrared (IR) Range: Up to 30m adaptive IR</li> <li>• Low-Light Performance: Enhanced with Light Catcher technology</li> <li>• Smart IR: Yes</li> </ul> </li> <li>iii. Motion Detection:                             <ul style="list-style-type: none"> <li>• Motion Detection: Yes (Custom Adjustable Sensitivity)</li> <li>• Alert Type: On Screen</li> <li>• Area Masking: Yes (selective zone for motion detection)</li> </ul> </li> <li>iv. Connectivity:                             <ul style="list-style-type: none"> <li>• Network Connectivity:                                     <ul style="list-style-type: none"> <li>○ Wired: PoE (Power over Ethernet), 10/100 Mbps Ethernet</li> <li>○ Wireless: Wi-Fi 802.11b/g/n</li> </ul> </li> <li>• Remote Access: Yes</li> </ul> </li> <li>v. Power Supply:                             <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 12V DC</li> <li>• Power Consumption: 7W (PoE)</li> </ul> </li> <li>vi. Storage:                             <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> </li> <li>vii. Durability:                             <ul style="list-style-type: none"> <li>• Weatherproof Rating: IP66/67 (Waterproof and Dustproof for Outdoor Use)</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: -40°C to +65°C</li> </ul> </li> <li>viii. Compression and Video:                             <ul style="list-style-type: none"> <li>• Video Compression: H.264 / H.265 with HDSM Smart Codec</li> <li>• Frame Rate: 30fps at 4K</li> </ul> </li> <li>ix. Smart Features:                             <ul style="list-style-type: none"> <li>• AI Detection: Motion Detection / Human Detection / Vehicle Detection</li> <li>• AI Video Analytics: Next-Generation Object Detection and Auto-Tracking</li> </ul> </li> <li>x. Control and PTZ:                             <ul style="list-style-type: none"> <li>• Pan/Tilt/Zoom: Fixed Lens (Non-PTZ)</li> <li>• Remote Control: No (Fixed Lens)</li> </ul> </li> <li>xi. Dimensions &amp; Design:                             <ul style="list-style-type: none"> <li>• Dimensions: 160 mm x 121 mm</li> </ul> </li> </ul>	

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<ul style="list-style-type: none"> <li>• Weight: about 1.2 kg</li> <li>• Design: Compact, White Dome</li> </ul> <p>xii. Warranty &amp; Support: Warranty: minimum 3 Years</p>	
<p>c) PTZ Camera (Outdoor)</p> <p>i. Imaging:</p> <ul style="list-style-type: none"> <li>• Resolution: up to 8MP 4K (3840x2160) Ultra HD</li> <li>• Image Sensor: 1/2.5" Type ExmorR CMOS Sensor</li> <li>• Lens Type: Varifocal, motorized zoom and focus</li> <li>• Field of View (FOV): 90° (wide) to 30° (zoomed)</li> <li>• Minimum Illumination: 0.3lux(F/2.0)incolormode;0.09lux(F/2.0)inmonochrome</li> </ul> <p>ii. Night Vision:</p> <ul style="list-style-type: none"> <li>• Infrared (IR) Range: 40000 mm</li> <li>• Low-Light Performance: Light Catcher Technology for enhanced night vision</li> <li>• Smart IR: Yes</li> </ul> <p>iii. Motion Detection:</p> <ul style="list-style-type: none"> <li>• Motion Detection: Yes (Custom Adjustable Sensitivity and Zones)</li> <li>• Alert Type: On Screen</li> <li>• Auto-Tracking: Yes (automatic tracking of moving objects)</li> </ul> <p>iv. Connectivity:</p> <ul style="list-style-type: none"> <li>• Network Connectivity: <ul style="list-style-type: none"> <li>○ Wired: PoE (Power over Ethernet), 10/100/1000 Mbps Ethernet</li> <li>○ Wireless: Wi-Fi 802.11b/g/n (optional)</li> </ul> </li> <li>• Remote Access: Yes</li> </ul> <p>v. Power Supply:</p> <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 24V DC</li> <li>• Power Consumption: 60W (PoE)</li> </ul> <p>vi. Storage:</p> <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> <p>vii. Durability:</p> <ul style="list-style-type: none"> <li>• Weatherproof Rating: IP66/67 (Waterproof and Dustproof for Outdoor Use)</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: -40°C to +65°C</li> <li>• Housing Material: Rugged aluminium with anti-corrosion coating</li> </ul> <p>viii. Compression and Video:</p> <ul style="list-style-type: none"> <li>• Video Compression: H.264 / H.265 with HDSM Smart Codec</li> <li>• Frame Rate: 30fps at 4K</li> </ul> <p>ix. Smart Features:</p>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• AI Detection: Motion Detection / Human Detection / Vehicle Detection</li> <li>• Analytics: Next-Generation AI-Powered Video Analytics with auto-tracking capabilities</li> </ul> <p>x. Control and PTZ:</p> <ul style="list-style-type: none"> <li>• Pan Range: 0° - 360° (endless rotation)</li> <li>• Tilt Range: -15° to 90° (automatic flip)</li> <li>• Zoom: 30x up to 8MP</li> <li>• Digital zoom: up to 12x</li> <li>• Zoom Control: Remote-controlled by operator</li> <li>• Pan/Tilt/Zoom Control: Remote-controlled by operator</li> <li>• Preset Positions: Up to 128 preset positions for quick view points</li> <li>• Auto Tour: Yes (supports auto-patrol feature to rotate between presets)</li> <li>• PTZ Speed: Adjustable (Pan speed: 0.1° to 200°/s, Tilt speed: 0.1° to 120°/s)</li> </ul> <p>xi. Dimensions &amp; Design:</p> <ul style="list-style-type: none"> <li>• Dimensions: Approx. 242 mm x 347 mm</li> <li>• Weight: about 3.7 kg</li> <li>• Design: White Outdoor PTZ Dome</li> </ul> <p>xii. Warranty &amp; Support:</p> <ul style="list-style-type: none"> <li>• Warranty: minimum 3 Years</li> </ul>	
<p>d) 360° Fisheye IP Camera</p> <p>i. Imaging:</p> <ul style="list-style-type: none"> <li>• Resolution: up to 12MP 4K (3840x2160) Ultra HD</li> <li>• Image Sensor: 1/2.3" progressive scan CMOS</li> <li>• Lens Type: Fisheye Lens (180° Horizontal / 180° Vertical)</li> <li>• Field of View (FOV): 360° Horizontal / 180° Vertical</li> <li>• Minimum Illumination: 12m max distance at 0 lux</li> </ul> <p>ii. Video and Image:</p> <ul style="list-style-type: none"> <li>• Video Compression: H.264 / H.265 with SmartCodec, MotionJPEG</li> <li>• Frame Rate: 30fps at 4K</li> <li>• Image Enhancement: Wide Dynamic Range (WDR)</li> <li>• De-Warping: Yes (Supports de-warping for ePTZ functionality)</li> </ul> <p>iii. Night Vision:</p> <ul style="list-style-type: none"> <li>• Infrared (IR) Range: 20000 mm</li> <li>• Low-Light Performance: Adaptive IR technology ensures optimal brightness and image detail in low-light conditions.</li> <li>• Smart IR: Yes</li> </ul> <p>iv. Motion Detection:</p> <ul style="list-style-type: none"> <li>• Motion Detection: Yes (Custom Adjustable Sensitivity and Zones)</li> <li>• Alert Type: On Screen</li> <li>• Auto-Tracking: Yes (Optional with advanced AI features)</li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>v. Connectivity:                             <ul style="list-style-type: none"> <li>• Network Connectivity:                                     <ul style="list-style-type: none"> <li>○ Wired: PoE (Power over Ethernet), 10/100/1000 Mbps Ethernet</li> <li>○ Wireless: Wi-Fi 802.11b/g/n</li> </ul> </li> <li>• Remote Access: Yes</li> </ul> </li> <li>vi. Power Supply:                             <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 12V DC</li> <li>• Power Consumption: 10W (PoE)</li> </ul> </li> <li>vii. Storage:                             <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> </li> <li>viii. Durability:                             <ul style="list-style-type: none"> <li>• Weatherproof Rating: IP66/67 (Waterproof and Dustproof for Outdoor Use)</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: -10°C to +60°C</li> </ul> </li> <li>ix. Smart Features:                             <ul style="list-style-type: none"> <li>• AI Detection: Motion Detection / Human Detection / Vehicle Detection</li> <li>• Video Analytics: Equipped with Next-Generation Video Analytics for proactive event detection and alerts.</li> </ul> </li> <li>x. Control and PTZ:                             <ul style="list-style-type: none"> <li>• Pan/Tilt/Zoom: Digital Zoom / ePTZ (Electronic PTZ)</li> <li>• Remote Control: Yes</li> <li>• De-warping Mode: Yes (Supports multiple de-warping modes such as panoramic view, split screen, or quad view)</li> </ul> </li> <li>xi. Dimensions &amp; Design:                             <ul style="list-style-type: none"> <li>• Dimensions: 145.5mm x 145.5mm x 62mm;</li> <li>• Weight: about 838g</li> <li>• Design: Compact, White Fisheye Dome</li> </ul> </li> <li>xii. Warranty &amp; Support:                             <ul style="list-style-type: none"> <li>• Warranty: minimum 3 Years</li> </ul> </li> </ul>	
<b>3. SPECIALIZED CAMERAS</b>	
<ul style="list-style-type: none"> <li>a) License Plate Recognition (LPR) camera                             <ul style="list-style-type: none"> <li>i. Imaging:                                     <ul style="list-style-type: none"> <li>• Resolution: up to 3MP 1080p Full HD (1920x1080)</li> <li>• Image Sensor: 1/2.8" progressive scan CMOS</li> <li>• Lens Type: Varifocal 4.7–84.6 mm, F1.6, with P-Iris, remote focus, and zoom</li> <li>• Field of View (FOV): 60° (wide-angle lens)</li> <li>• Minimum Illumination: 0 Lux (IR On)</li> </ul> </li> <li>ii. License Plate Recognition:</li> </ul> </li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Recognition Distance: Up to 25 meters (depending on plate size and lighting conditions)</li> <li>• Recognition Accuracy: ≥95%</li> <li>• Plate Format Support: Supports various formats (US, EU, Asia)</li> <li>• Processing Speed: 30 frames per second (FPS)</li> <li>• Recognition Angle: ±30° Horizontal, ±10° Vertical</li> <li>• Max Speed: Can capture vehicles moving at speeds up to 120 km/h (depending on camera setup)</li> </ul> <p>iii. Night Vision:</p> <ul style="list-style-type: none"> <li>• Infrared (IR) Range 850 nm, continuous, with field-adjustable angle; maximum range of 30 m for single lane and 14 m for dual lane</li> <li>• Smart IR: Yes (Adjustable IR intensity for clarity)</li> </ul> <p>iv. Motion Detection:</p> <ul style="list-style-type: none"> <li>• Motion Detection: Yes (Custom Adjustable Sensitivity)</li> <li>• Alert Type: On Screen</li> </ul> <p>v. Connectivity:</p> <ul style="list-style-type: none"> <li>• Network Connectivity:                             <ul style="list-style-type: none"> <li>○ Wired: PoE (Power over Ethernet), 10/100/1000 Mbps Ethernet</li> <li>○ Wireless: Optional Wi-Fi 802.11b/g/n</li> </ul> </li> <li>• Remote Access: Yes</li> </ul> <p>vi. Power Supply:</p> <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 12V DC</li> <li>• Power Consumption: 12W (PoE)</li> </ul> <p>vii. Storage:</p> <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> <p>viii. Durability:</p> <ul style="list-style-type: none"> <li>• Weatherproof Rating: IP66 (Waterproof and Dustproof for Outdoor Use)</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: -30°C to +50°C</li> </ul> <p>ix. Compression and Video:</p> <ul style="list-style-type: none"> <li>• Video Compression: H.264, Motion JPEG, with HDSM Smart Codec Technology</li> <li>• Frame Rate: 30fps at 1080p</li> </ul> <p>x. Smart Features:</p> <ul style="list-style-type: none"> <li>• LPR Analytics: License Plate Recognition (LPR), Vehicle Counting, Speed Detection</li> <li>• AI Detection: Vehicle Type Identification, Vehicle Movement Tracking</li> </ul> <p>xi. Control and PTZ:</p> <ul style="list-style-type: none"> <li>• Pan/Tilt/Zoom: Fixed Lens (non-PTZ)</li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Remote Control: No (Fixed lens with preset focus)</li> </ul> <p>xii. Dimensions &amp; Design:</p> <ul style="list-style-type: none"> <li>• Dimensions: 514 mm x 176 mm x 189 mm</li> <li>• Weight: about 4.5 kg</li> <li>• Design: Compact, White Outdoor Bullet Camera</li> </ul> <p>xiii. Warranty &amp; Support:</p> <ul style="list-style-type: none"> <li>• Warranty: minimum 3 Years</li> </ul>	
<p>b) Shot Detection PTZ Camera</p> <p>i. Imaging:</p> <ul style="list-style-type: none"> <li>• Resolution: 1080p Full HD (1920x1080)</li> <li>• Image Sensor: 1/2.8" CMOS</li> <li>• Lens Type: Motorized Varifocal Lens (4mm - 20mm)</li> <li>• Field of View (FOV): 60° (Wide) to 3° (Telephoto)</li> <li>• Minimum Illumination: 0.01 Lux (Colour) / 0 Lux (IR On)</li> </ul> <p>ii. Shot Detection:</p> <ul style="list-style-type: none"> <li>• Detection Technology: Acoustic Shot Detection (Microphone + Camera Integration)</li> <li>• Shot Detection Range: Up to 500 meters (depending on gunshot type and environmental factors)</li> <li>• Detection Algorithm: Acoustic analysis to identify gunshots by high-frequency sound patterns</li> <li>• Detection Accuracy: ≥95% (accuracy dependent on environmental factors)</li> <li>• Alert Type: Instant Notification (via App, Email, SMS)</li> <li>• Detection Delay: &lt;1 second (Real-time detection)</li> </ul> <p>iii. PTZ Control:</p> <ul style="list-style-type: none"> <li>• Pan Range: 0° - 360° (Endless rotation)</li> <li>• Tilt Range: -90° to +90° (Automatic flip)</li> <li>• Zoom: 20x Motorized Optical Zoom</li> <li>• Pan/Tilt Speed: Adjustable (Pan speed: 0.1° to 180°/s, Tilt speed: 0.1° to 120°/s)</li> <li>• Preset Positions: 256 Presets (Configurable for specific detection points)</li> <li>• Auto-Tracking: Yes (Automatically tracks moving objects or detected shots)</li> </ul> <p>iv. Audio:</p> <ul style="list-style-type: none"> <li>• Audio Support: Yes (Acoustic detection using built-in microphone)</li> <li>• Microphone: High-sensitivity microphone for long-range shot detection</li> <li>• Audio Range: Up to 500 meters (varies with environment)</li> <li>• Speaker: None</li> </ul> <p>v. Night Vision:</p> <ul style="list-style-type: none"> <li>• Infrared (IR) Range: 50 meters</li> <li>• IR LEDs: 36 pcs (Infrared illumination for night use)</li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Smart IR: Yes (Automatic adjustment of IR intensity)</li> <li>vi. Connectivity:                             <ul style="list-style-type: none"> <li>• Network Connectivity:                                     <ul style="list-style-type: none"> <li>○ Wired: PoE (Power over Ethernet), 10/100/1000 Mbps Ethernet</li> <li>○ Wireless: Optional Wi-Fi 802.11b/g/n</li> </ul> </li> <li>• Remote Access: Yes, via Central Monitoring System</li> </ul> </li> <li>vii. Power Supply:                             <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 12V DC</li> <li>• Power Consumption: 20W (PoE)</li> </ul> </li> <li>viii. Storage:                             <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> </li> <li>ix. Durability:                             <ul style="list-style-type: none"> <li>• Weatherproof Rating: IP66 (Waterproof and Dustproof for Outdoor Use)</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: -40°C to +60°C</li> </ul> </li> <li>x. Compression and Video:                             <ul style="list-style-type: none"> <li>• Video Compression: H.264 / H.265</li> <li>• Frame Rate: 30fps at 1080p</li> </ul> </li> <li>xi. Smart Features:                             <ul style="list-style-type: none"> <li>• Real-Time Shot Detection Alert: Immediate notifications triggered by acoustic analysis of gunshots</li> <li>• AI Detection: Human Detection, Vehicle Detection</li> <li>• Integration: Compatible with other security systems (e.g., video management software or alarms)</li> <li>• Auto-Tracking: Yes (Optional with advanced AI features)</li> </ul> </li> <li>xii. Dimensions &amp; Design:                             <ul style="list-style-type: none"> <li>• Dimensions: 220 mm (Width) x 160 mm (Height) x 150 mm (Depth)</li> <li>• Weight: about 2.5 kg</li> <li>• Design: Rugged, Weather-resistant Outdoor PTZ Dome Camera</li> </ul> </li> <li>xiii. Warranty &amp; Support:                             <ul style="list-style-type: none"> <li>• Warranty: minimum 3 Years</li> </ul> </li> </ul>	
<p>c) Thermal Camera (Perimeter Security)</p> <ul style="list-style-type: none"> <li>i. Imaging:                             <ul style="list-style-type: none"> <li>• Resolution: 640x512 (VGA) Thermal Imaging</li> <li>• Image Sensor: Uncooled Vox Microbolometer Thermal Sensor</li> <li>• Lens Type: Multiple athermalized lenses available, including focal lengths of 4.3 mm, 9.1 mm, 13.8 mm, 18.0 mm, 24.3 mm, and 36 mm Fixed Focus</li> <li>• Field of View (FOV): 25° (Horizontal)</li> </ul> </li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Thermal Sensitivity: NETD (Noise Equivalent Temperature Difference) less than 50 mK, ensuring high-quality thermal imaging.</li> <li>ii. Temperature Detection:                             <ul style="list-style-type: none"> <li>• Temperature Range: -0°C to + 65°C</li> <li>• Temperature Accuracy: ±2°C or ±2% (whichever is greater)</li> <li>• Measurement Units: Celsius</li> </ul> </li> <li>iii. Detection Range:                             <ul style="list-style-type: none"> <li>• Human Detection Range: Up to 200 meters (depending on conditions)</li> <li>• Vehicle Detection Range: Up to 500 meters (depending on conditions)</li> <li>• Object Size Detection: 1.5m x 0.5m (Human-sized object)</li> </ul> </li> <li>iv. Night Vision:                             <ul style="list-style-type: none"> <li>• Infrared Range: Thermal Imaging (no visible light required)</li> <li>• Thermal Imaging Technology: Passive infrared (PIR) detection</li> </ul> </li> <li>v. Motion Detection:                             <ul style="list-style-type: none"> <li>• Motion Detection: Yes (Customizable Sensitivity and Zones)</li> <li>• Alert Type: On Screen</li> <li>• Detection Algorithms: Human / Vehicle Detection</li> </ul> </li> <li>vi. Connectivity:                             <ul style="list-style-type: none"> <li>• Network Connectivity:                                     <ul style="list-style-type: none"> <li>○ Wired: PoE (Power over Ethernet), 10/100 Mbps Ethernet</li> <li>○ Wireless: Wi-Fi 802.11b/g/n (optional)</li> </ul> </li> <li>• Remote Access: Yes</li> </ul> </li> <li>vii. Power Supply:                             <ul style="list-style-type: none"> <li>• Power Source: PoE (Power over Ethernet) or 12V DC</li> <li>• Power Consumption: 10W (PoE)</li> </ul> </li> <li>viii. Storage:                             <ul style="list-style-type: none"> <li>• Local Storage: MicroSD Card Slot (up to 512GB)</li> <li>• Cloud Storage Possible</li> <li>• NVR/DVR Compatibility: Yes (ONVIF Compatible)</li> </ul> </li> <li>ix. Durability:                             <ul style="list-style-type: none"> <li>• Weatherproof Rating: IP66/67 (Waterproof and Dustproof for Outdoor Use)</li> <li>• Vandal-Resistant: IK10-rated Housing</li> <li>• Operating Temperature Range: -40°C to +60°C</li> <li>• Wind Resistance: Up to 180 km/h</li> </ul> </li> <li>x. Compression and Video:                             <ul style="list-style-type: none"> <li>• Video Compression: Multi-stream H.264, Multi-stream H.265, Motion JPEG</li> <li>• Frame Rate: up to 30fps</li> </ul> </li> <li>xi. Smart Features:                             <ul style="list-style-type: none"> <li>• AI Detection: Human / Vehicle Detection</li> <li>• Analytics: Intrusion Detection / Perimeter Breach</li> </ul> </li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<p>xii. Control and PTZ:</p> <ul style="list-style-type: none"> <li>• Pan/Tilt/Zoom: Fixed Lens (Non-PTZ)</li> <li>• Remote Control: No (Fixed Lens)</li> </ul> <p>xiii. Dimensions &amp; Design:</p> <ul style="list-style-type: none"> <li>• Dimensions: 307mm x 126mm x 106mm;</li> <li>• Weight: about 1.5 kg</li> <li>• Design: Compact, Weather-Resistant Outdoor Dome</li> </ul> <p>xiv. Warranty &amp; Support:</p> <ul style="list-style-type: none"> <li>• Warranty: minimum 3 Years</li> </ul>	
<b>4. MOUNTING HARDWARE</b>	
<p><b>a) Camera Mounting Brackets</b></p> <ol style="list-style-type: none"> <li>i. Material: High-strength steel, aluminium, or weather-resistant plastic.</li> <li>ii. Finish: Powder-coated or galvanized finish for corrosion resistance, particularly in outdoor installations.</li> <li>iii. Weight Capacity: Must support the weight of the specific camera, with a minimum load capacity of 5 kg for standard cameras and up to 20 kg or more for heavier PTZ cameras. This includes power supply boxes mounted on a pole.</li> <li>iv. Adjustability: Brackets should offer adjustable angles for optimal camera positioning (e.g., pan, tilt, and swivel).</li> <li>v. Vandal Resistance: Use tamper-resistant screws or locking mechanisms to prevent unauthorized access or movement.</li> <li>vi. Compatibility: Should be compatible with various camera models, with adjustable mounting holes or mounts designed for specific camera types.</li> <li>vii. Outdoor Rated: Suitable for exposure to the elements with an IP66 or higher rating for weatherproofing, ensuring the bracket is resistant to rain, dust, and extreme temperatures.</li> <li>viii. Wind Load Rating: For installations in areas exposed to high winds (e.g., poles or rooftops), the brackets should be rated for high wind loads (at least 50 km/h or greater).</li> </ol> <p><b>b) Pole Mounts and Supports</b></p> <ol style="list-style-type: none"> <li>i. Material: Galvanized steel or powder-coated aluminium for corrosion resistance.</li> <li>ii. Pole Diameter: Adjustable or compatible with standard pole diameters (e.g., 60mm to 150mm) for flexibility in installation.</li> <li>iii. Mounting: Mounting hardware should include U-bolts, brackets, and straps for secure attachment to poles.</li> <li>iv. Stability: Must include reinforcement options to stabilize the camera on high poles and ensure it remains fixed under adverse weather conditions.</li> <li>v. Installation Ease: Easy to install with included hardware or tool-free options for quick setups.</li> <li>vi. Weight Capacity: Must support the weight of the camera and any accessories, with a typical load capacity of up to 15 kg.</li> </ol> <p><b>c) Wall/Ceiling Mounts</b></p>	

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<ul style="list-style-type: none"> <li>i. Material: Corrosion-resistant steel or aluminium.</li> <li>ii. Angle Adjustment: Must allow tilting (minimum of +90° to -90°) and rotating (360°) for flexibility in camera positioning.</li> <li>iii. Mounting Type: Compatible with both flush wall and angled wall mounting options.</li> <li>iv. Weight Capacity: Must be rated to handle the weight of the camera, with a minimum capacity of 10 kg.</li> <li>v. Weatherproofing: For outdoor use, the mount should have weatherproof seals to prevent water ingress.</li> <li>vi. Mounting Holes: Should offer universal hole patterns for mounting a variety of CCTV camera models (e.g., 4x4 or 6x6 screw hole patterns).</li> </ul> <p><b>d) Pole-to-Pole Mounting Systems (for PTZ or Large Cameras)</b></p> <ul style="list-style-type: none"> <li>i. Material: Heavy-duty stainless steel or reinforced aluminium to support the weight and dynamic movements of PTZ cameras.</li> <li>ii. Adjustment Range: Adjustable mounting height and angle (typically 0° to 180° horizontal and 0° to 90° vertical).</li> <li>iii. Mounting Mechanism: Secure mounts with locking pins or clamps that can withstand high wind forces and vibrations.</li> <li>iv. Cable Management: Integrated cable management to protect cables from environmental wear.</li> <li>v. Installation Type: Must be easy to install on existing poles, without requiring complex reworks or additional tools.</li> </ul> <p><b>e) Junction Boxes for Camera Mounting</b></p> <ul style="list-style-type: none"> <li>i. Material: High-impact resistant plastic (ABS, polycarbonate) or stainless steel.</li> <li>ii. IP Rating: Minimum IP66 for weather resistance in outdoor environments; higher ratings may be required in harsher climates.</li> <li>iii. Cable Entry Ports: Multiple cable entry ports with rubber grommets to prevent water ingress.</li> <li>iv. Locking Mechanism: Should include a tamper-proof lock or secure fastening mechanism.</li> <li>v. Size: Adequate space for camera connectors, power cables, and Ethernet cables.</li> <li>vi. Mounting: Wall or pole-mountable, offering secure attachment options.</li> </ul> <p><b>f) Ceiling Mounts (for Indoor Installations)</b></p> <ul style="list-style-type: none"> <li>i. Material: High-strength aluminium or steel, designed for aesthetic integration in office, warehouse, or retail environments.</li> <li>ii. Design: A low-profile design with minimal visual impact, while still providing secure attachment for the camera.</li> <li>iii. Angle Adjustability: Typically offering a tilt range of +90° to -90° and a horizontal 360° rotation capability.</li> <li>iv. Weight Capacity: Support for cameras weighing up to 10 kg.</li> <li>v. Installation: Easy ceiling installation with included hardware for both drop-ceiling and solid ceiling types.</li> </ul>	

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<p><b>g) Vandal-Proof Mounts (for Public Areas)</b>                      Material: High-grade stainless steel or reinforced aluminium, designed to prevent tampering.                      Tamper Resistance: Features tamper-proof screws or anti-theft locking mechanisms to protect the camera and mount.                      Weatherproofing: IP66-rated to withstand harsh weather conditions, especially in outdoor environments.                      Mounting Flexibility: Allows for flexible camera angle adjustments (both vertical and horizontal) without compromising security.</p> <p><b>h) Pole/Camera Mounting Kits</b></p> <p>i. Components: Should include (but not limited to):</p> <ul style="list-style-type: none"> <li>• Mounting brackets.</li> <li>• Pole attachments (e.g., U-bolts).</li> <li>• Cabling accessories (e.g., cable ties or cable conduits).</li> <li>• Tools required for installation (e.g., wrenches, screwdrivers, drills).</li> </ul> <p>ii. Weatherproofing: Includes weather-resistant coatings to prevent rust or corrosion from exposure to the elements.</p> <p><b>i) Mounting Hardware Accessories</b></p> <p>i. Cable Management Clips: To organize and secure power and data cables along the camera mounts or poles.</p> <p>ii. Protective Grommets: To prevent cable damage during installation and long-term use.</p> <p>iii. Rubber Seals: For protecting camera enclosures from water and dust ingress.</p> <p>iv. Anti-theft Devices: Such as lockable housings or mounting security devices to deter vandalism or theft.</p>	
<b>5. POWER SUPPLY AND BACKUP SOLUTIONS</b>	
<p>All power supply and backup solutions should be:</p> <p>i. Stable &amp; Uninterrupted: To prevent data loss and camera shutdown.</p> <p>ii. Redundant &amp; Scalable: To accommodate future expansions.</p> <p>iii. Resilient to Power Fluctuations: To protect sensitive electronics.</p>	
<p><b>a) Uninterruptible Power Supply (UPS)</b></p> <p>i. Power Capacity:</p> <ul style="list-style-type: none"> <li>• VA Rating: 1000 VA</li> <li>• Watt Rating: 700 W</li> </ul> <p>ii. Battery Runtime:</p> <ul style="list-style-type: none"> <li>• At Full Load (700W): 30-60 minutes</li> <li>• At Half Load (350W): 60-180 minutes</li> </ul> <p>iii. Input/Output Voltage:</p> <ul style="list-style-type: none"> <li>• Input Voltage: 120V AC</li> <li>• Output Voltage: 120V AC</li> <li>• Voltage Regulation: ± 10% (on battery)</li> </ul> <p>iv. Battery Type:</p> <ul style="list-style-type: none"> <li>• Chemistry: Sealed Lead-Acid (SLA)</li> <li>• Voltage: 12V (2 batteries)</li> </ul>	

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<ul style="list-style-type: none"> <li>v. Surge Protection:                             <ul style="list-style-type: none"> <li>• Joule Rating: 400 Joules</li> </ul> </li> <li>vi. Transfer Time:                             <ul style="list-style-type: none"> <li>• Switch Time: 4-8 milliseconds</li> </ul> </li> <li>vii. Display:                             <ul style="list-style-type: none"> <li>• Type: LCD screen (to show input/output voltage, load, battery status)</li> </ul> </li> <li>viii. Alarms:                             <ul style="list-style-type: none"> <li>• Audible: Yes (for low battery, overload, and failure)</li> </ul> </li> <li>ix. Connectivity:                             <ul style="list-style-type: none"> <li>• USB Port: Yes</li> </ul> </li> <li>x. Dimensions &amp; Weight:                             <ul style="list-style-type: none"> <li>• Dimensions: 362 x 165 x 251 mm</li> <li>• Weight: about 8.25 kg</li> </ul> </li> <li>xi. Warranty:                             <ul style="list-style-type: none"> <li>• 3-year minimum warranty</li> </ul> </li> </ul>	
<ul style="list-style-type: none"> <li>b) Inverter                             <ul style="list-style-type: none"> <li>i. Power Capacity:                                     <ul style="list-style-type: none"> <li>• Continuous Power Output: 2000W</li> <li>• Surge Power Output: 4000W (for up to 10 seconds)</li> </ul> </li> <li>ii. Input Voltage:                                     <ul style="list-style-type: none"> <li>Nominal Input Voltage: 12V DC (battery voltage)</li> </ul> </li> <li>iii. Output Voltage:                                     <ul style="list-style-type: none"> <li>• Nominal Output Voltage: 120V AC (standard)</li> <li>• Output Frequency: 60Hz</li> </ul> </li> <li>iv. Output Waveform:                                     <ul style="list-style-type: none"> <li>• Type: Pure Sine Wave or equivalent</li> </ul> </li> <li>v. Efficiency:                                     <ul style="list-style-type: none"> <li>• Peak Efficiency: 90% or higher</li> </ul> </li> <li>vi. Battery Type Compatibility:                                     <ul style="list-style-type: none"> <li>• Battery Voltage: 12V DC lead-acid or lithium batteries</li> </ul> </li> <li>vii. Safety Features:                                     <ul style="list-style-type: none"> <li>• Overload Protection: Yes</li> <li>• Short-Circuit Protection: Yes</li> <li>• Overheat Protection: Yes</li> <li>• Low Battery Shutdown: Yes (to protect the battery from deep discharge)</li> </ul> </li> <li>viii. Cooling System:                                     <ul style="list-style-type: none"> <li>• Fan-Cooled: Yes (automatic fan turns on based on temperature)</li> </ul> </li> <li>ix. Dimensions &amp; Weight:                                     <ul style="list-style-type: none"> <li>• Dimensions: 353 x 180 x 86 mm</li> <li>• Weight: about 4.2 kg</li> </ul> </li> <li>x. Operating Temperature Range:                                     <ul style="list-style-type: none"> <li>• Operating Temperature: -10°C to 50°C</li> <li>• Storage Temperature: -20°C to 60°C</li> </ul> </li> </ul> </li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
xi. Certification: <ul style="list-style-type: none"> <li>• Certifications: CE, RoHS, and other relevant certifications for safety and quality</li> </ul> xii. Warranty: <ul style="list-style-type: none"> <li>• Warranty Period: 1-year minimum warranty</li> </ul>	
c) Solar Power Solar Panel Specifications: <ol style="list-style-type: none"> <li>i. Total Output:                             <ul style="list-style-type: none"> <li>• Rated Power: 400W (4 x 100W panels)</li> </ul> </li> <li>ii. Panel Type:                             <ul style="list-style-type: none"> <li>• Cell Type: Monocrystalline</li> </ul> </li> <li>iii. Panel Voltage and Current:                             <ul style="list-style-type: none"> <li>• Open Circuit Voltage (Voc): 22.5V per panel</li> <li>• Maximum Power Voltage (Vmp): 18.0V per panel</li> <li>• Short Circuit Current (Isc): 5.72A per panel</li> <li>• Maximum Power Current (Imp): 5.56A per panel</li> </ul> </li> <li>iv. Panel Efficiency:                             <ul style="list-style-type: none"> <li>• Module Efficiency: 18-20% (high efficiency for space optimization)</li> </ul> </li> <li>v. Dimensions per Panel:                             <ul style="list-style-type: none"> <li>• Dimensions: 1480 x 670 x 35 mm</li> <li>• Weight per Panel: about 9.5 kg</li> </ul> </li> <li>vi. Warranty:                             <ul style="list-style-type: none"> <li>• Product Warranty: minimum 5 years</li> <li>• Performance Warranty: at least 25 years (80% of rated power after 25 years)</li> </ul> </li> </ol> Charge Controller Specifications (Included in Kit): <ol style="list-style-type: none"> <li>i. Type:                             <ul style="list-style-type: none"> <li>• Charge Controller: MPPT (Maximum Power Point Tracking)</li> <li>• Voltage Compatibility: 12V or 24V systems</li> </ul> </li> <li>ii. Efficiency:                             <ul style="list-style-type: none"> <li>• MPPT Efficiency: 98%</li> </ul> </li> <li>iii. Input Voltage:                             <ul style="list-style-type: none"> <li>• Solar Input Voltage: 22-60V DC (multiple panel configurations)</li> </ul> </li> <li>iv. Output Voltage:                             <ul style="list-style-type: none"> <li>• Battery Voltage: 24V DC</li> </ul> </li> <li>v. Protection Features:                             <ul style="list-style-type: none"> <li>• Overcharge Protection: Yes</li> <li>• Overload Protection: Yes</li> <li>• Short-Circuit Protection: Yes</li> <li>• Reverse Polarity Protection: Yes</li> </ul> </li> </ol> Overall System Specifications: <ol style="list-style-type: none"> <li>i. System Type:</li> </ol>	

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<ul style="list-style-type: none"> <li>• Grid-Tied or Off-Grid: Compatible with off-grid solar setups (additional inverter may be required for AC output)</li> <li>ii. Operating Temperature:             <ul style="list-style-type: none"> <li>• Solar Panel Operating Range: -40°C to 85°C</li> <li>• Controller Operating Range: -40°C to 60°C</li> </ul> </li> <li>iii. Maximum System Voltage:             <ul style="list-style-type: none"> <li>• Max System Voltage: 1000V DC (suitable for residential and commercial applications)</li> </ul> </li> <li>iv. Environmental Rating:             <ul style="list-style-type: none"> <li>• IP Rating: IP65 (weatherproof for outdoor use)</li> </ul> </li> <li>v. Weight of Kit:             <ul style="list-style-type: none"> <li>• Total Weight: about 38 kg for 4 panels and charge controller</li> </ul> </li> </ul>	
<b>6. NETWORK VIDEO RECORDERS (NVR) / DIGITAL VIDEO RECORDERS (DVR)</b>	
<p>a) NVR Type 1</p> <ul style="list-style-type: none"> <li>i. Number of Channels: 16 channels (supports a minimum of 16 IP cameras or more)</li> <li>ii. PoE Ports: 16 x PoE (Power over Ethernet) ports for powering and transmitting data over Ethernet cables</li> <li>iii. Max Resolution: Supports up to 61MP resolution (4000 x 3000 pixels) for high-definition video capture</li> <li>iv. Storage:             <ul style="list-style-type: none"> <li>• Supports up to a minimum of 2 x 10TB HDDs, offering a total of minimum 20TB storage</li> <li>• RAID support: RAID 0, 1 for data redundancy and performance improvement</li> </ul> </li> <li>v. Compression:             <ul style="list-style-type: none"> <li>• H.265+, H.265, and H.264 video compression formats for efficient storage and bandwidth usage</li> </ul> </li> <li>vi. Network:             <ul style="list-style-type: none"> <li>• 1 x 1000Mbps Ethernet port for fast network data transmission</li> </ul> </li> <li>vii. Audio:             <ul style="list-style-type: none"> <li>• 2-way audio support for compatible cameras with microphones and speakers</li> </ul> </li> <li>viii. User Interface:             <ul style="list-style-type: none"> <li>• HDMI and VGA video outputs for connecting to local displays</li> </ul> </li> <li>ix. Remote Access:             <ul style="list-style-type: none"> <li>• Access through proprietary mobile applications or client software for remote monitoring</li> </ul> </li> <li>x. Advanced Features:             <ul style="list-style-type: none"> <li>• Motion detection and smart search for efficient video footage retrieval</li> <li>• LPR (License Plate Recognition) camera compatibility for automated license plate reading and logging</li> <li>• Email alerts and event-triggered recording</li> </ul> </li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<p><b>Rackmount Options</b></p> <ul style="list-style-type: none"> <li>i. <b>Rackmount Form Factor:</b> <ul style="list-style-type: none"> <li>• An estimated 19-inch rackmount chassis, typically 2U in size for smaller installations.</li> <li>• 2U chassis for more extensive storage options (minimum of 20TB) and easier cooling.</li> </ul> </li> <li>ii. <b>Cooling:</b> <ul style="list-style-type: none"> <li>• Basic cooling fans integrated into the chassis with optional external fan modules.</li> <li>• Front-to-back airflow system to optimize cooling.</li> <li>• Optional add-on cooling kits (fan trays) if needed for increased airflow or redundancy in cooling.</li> </ul> </li> <li>iii. <b>Power Supply:</b> <ul style="list-style-type: none"> <li>• Single or dual power supplies for redundancy.</li> <li>• Power Distribution Units (PDU) for efficient power management.</li> </ul> </li> <li>iv. <b>Storage:</b> <ul style="list-style-type: none"> <li>• Up to 2 x 10TB HDDs (total of 20TB), with hot-swappable HDD trays for easy drive management.</li> <li>• RAID 1 configuration for data redundancy and failover.</li> </ul> </li> </ul> <p><b>Rackmount Kits</b></p> <ul style="list-style-type: none"> <li>i. <b>2U Rackmount Kit:</b> <ul style="list-style-type: none"> <li>• 2U chassis designed to support a minimum of 20TB of storage and offering more expansion options while maintaining efficient cooling and manageable space usage.</li> </ul> </li> <li>ii. <b>Server Racks:</b> <ul style="list-style-type: none"> <li>• <b>24U Server Racks:</b> <ul style="list-style-type: none"> <li>○ Ideal for both smaller and medium installations. Can be equipped with racks specifically designed for 2U NVR systems.</li> <li>○ Adjustable rails to accommodate 2U NVR systems, and cable management systems to keep wires organized and prevent overheating.</li> </ul> </li> </ul> </li> </ul> <p><b>Warranty (NVR and Rack Mounts)</b></p> <ul style="list-style-type: none"> <li>i. <b>Period:</b> <ul style="list-style-type: none"> <li>• A minimum of 3 years, with the option for extended warranties (up to 5 years).</li> <li>• Warranty extension option for up to 5 years, adding coverage for advanced replacement services, on-site support, and more.</li> </ul> </li> <li>ii. <b>Coverage:</b> <ul style="list-style-type: none"> <li>• <b>Parts &amp; Labor:</b> Covers repair or replacement of faulty components (hard drives, power supplies, cooling fans, etc.).</li> <li>• <b>On-site Support:</b> On-site service or support may be offered for critical systems, ensuring minimal downtime.</li> <li>• <b>Remote Diagnostics:</b> Remote monitoring and diagnostics to detect system faults and initiate troubleshooting steps remotely.</li> </ul> </li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>Return-to-Base: For non-critical issues, manufacturers should offer a return-to-base (RMA) warranty where the unit is returned to the manufacturer for repairs.</li> </ul>	
<p>b) High-Performance NVR System</p> <p>i. Number of Channels:</p> <ul style="list-style-type: none"> <li>Supports up to 128 IP cameras (scalable depending on the network capacity and system configuration).</li> </ul> <p>ii. PoE Ports:</p> <ul style="list-style-type: none"> <li>Supports 24 x PoE ports for direct camera connection and power supply over Ethernet or can be integrated with external PoE switches to support direct camera connections and power supply over Ethernet</li> </ul> <p>iii. Max Resolution:</p> <ul style="list-style-type: none"> <li>Supports resolutions up to 61MP (4000 x 3000 pixels) for high-definition and detailed video capture, specifically for LPR and shot detection cameras.</li> </ul> <p>iv. Storage:</p> <ul style="list-style-type: none"> <li>Supports up to 16 x 12TB HDDs, totalling at least 192TB of storage (expandable as needed).</li> <li>RAID 0, 1, 5, 10 support for data redundancy, fault tolerance, and enhanced storage performance.</li> <li>Optional cloud storage integration for off-site backups and further data security.</li> </ul> <p>v. Compression:</p> <ul style="list-style-type: none"> <li>Video compression with H.264 formats to efficiently manage bandwidth and storage requirements, especially for high-resolution and continuous recording.</li> </ul> <p>vi. Video Analytics:</p> <ul style="list-style-type: none"> <li>Advanced video analytics like motion detection, line-crossing detection, facial recognition, and LPR integration etc.</li> <li>Supports real-time object tracking and event-driven recording.</li> </ul> <p>vii. Network:</p> <ul style="list-style-type: none"> <li>2 x 1000Mbps Ethernet ports for robust network connectivity and redundancy.</li> <li>Optional 10GbE ports for higher bandwidth requirements in larger installations.</li> </ul> <p>viii. Audio:</p> <ul style="list-style-type: none"> <li>2-way audio support for bi-directional communication, ideal for surveillance and intercom systems.</li> </ul> <p>ix. Output:</p> <ul style="list-style-type: none"> <li>HDMI and VGA outputs for local monitoring.</li> <li>Supports multiple monitor outputs for large control rooms or multi-monitor configurations.</li> </ul> <p>x. Remote Access:</p> <ul style="list-style-type: none"> <li>Supports web access via browser.</li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Multi-user access with customizable permission levels for different user roles.</li> </ul> <p>xi. Advanced Features:</p> <ul style="list-style-type: none"> <li>• Smart Search: Ability to search video footage using advanced filters like time, event type, or motion detection.</li> <li>• Integrated LPR Software: Capable of integrating with third-party LPR systems and capturing and processing license plate data in real-time.</li> <li>• Event-triggered alerts: Email and on-screen notifications for alarms, motion detection, or specific LPR-based triggers.</li> </ul> <p>xii. Scalability:</p> <ul style="list-style-type: none"> <li>• Easily scalable to support additional cameras or storage as the infrastructure grows.</li> </ul> <p>Rackmount Options</p> <p>i. Rackmount Form Factor:</p> <ul style="list-style-type: none"> <li>• 19-inch standard rackmount chassis to fit into server racks, ideal for installations in control rooms or data centres.</li> <li>• 1U or 2U rackmount for space-efficient setups.</li> <li>• 2U/3U rackmount chassis for more power and storage expansion.</li> </ul> <p>ii. Cooling:</p> <ul style="list-style-type: none"> <li>• Front-to-back airflow cooling design to ensure proper ventilation.</li> <li>• Dedicated cooling fans with temperature sensors to optimize airflow and reduce heat.</li> <li>• Hot-swappable fan trays for easy maintenance and cooling adjustments.</li> </ul> <p>iii. Power Supply:</p> <ul style="list-style-type: none"> <li>• Dual-redundant power supplies (AC or DC) for high availability and reliability.</li> <li>• Power distribution units (PDU) integrated for managing the power input effectively across the system.</li> </ul> <p>iv. Storage:</p> <ul style="list-style-type: none"> <li>• Hot-swappable HDD trays for easy addition and replacement of storage drives without interrupting operations.</li> <li>• Storage expansion options: Up to 16 x 12TB HDDs in a 3U/4U rackmount form factor for large-scale storage needs.</li> </ul> <p>Specific Rackmount Kits:</p> <p>i. NVR Rackmount Kit:</p> <ul style="list-style-type: none"> <li>• 19-inch, 2U or 3U rackmount chassis with integrated cooling and redundant power supplies.</li> <li>• Suitable for larger storage capacities (up to 192TB) and provides adequate space for additional storage drives.</li> </ul> <p>ii. Server Racks:</p>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<p>• 42U server racks with adjustable rails to accommodate larger NVR units and high-density equipment. The rack must include cable management, cooling options, and ventilation.</p> <p>Warranty (NVR and Rack Mounts)</p> <p>i. Period</p> <ul style="list-style-type: none"> <li>• A minimum of 3 years depending on the manufacturer and model.</li> <li>• Extended warranty plans optional for advanced replacement for failed components, on-site technician support, and priority service.</li> </ul> <p>ii. Coverage:</p> <ul style="list-style-type: none"> <li>• Parts &amp; Labor: Covers repair or replacement of faulty components (hard drives, power supplies, cooling fans, etc.).</li> <li>• On-site Support: On-site service or support may be offered for critical systems, ensuring minimal downtime.</li> <li>• Remote Diagnostics: Remote monitoring and diagnostics to detect system faults and initiate troubleshooting steps remotely.</li> <li>• Return-to-Base: For non-critical issues, manufacturers should offer a return-to-base (RMA) warranty where the unit is returned to the manufacturer for repairs.</li> </ul>	
<b>7. VIDEO MANAGEMENT SOFTWARE AND LICENSES</b>	
<p>a) General VMS Specifications:</p> <p>i. Supported Camera Integration:</p> <ul style="list-style-type: none"> <li>• IP Cameras: Supports a wide range of IP cameras including CCTV, LPR, thermal cameras, and shot detection cameras from various manufacturers.</li> </ul> <p>ii. Camera Protocols:</p> <ul style="list-style-type: none"> <li>• Supports ONVIF, RTSP, H.264, and H.265 protocols, ensuring seamless integration with diverse camera systems.</li> <li>• Full Pan-Tilt-Zoom (PTZ) camera control and integration.</li> </ul> <p>iii. Supported Resolution:</p> <ul style="list-style-type: none"> <li>• Supports high-definition video, from SD (standard definition) to 7K (30MP) depending on camera capabilities</li> <li>• High-resolution support: 4K (3840x2160), 12MP (4000x3000), and 8MP.</li> </ul> <p>iv. Max Cameras Supported:</p> <ul style="list-style-type: none"> <li>• Scalable to support a large number of cameras, with the exact number dependent on system configuration and licensing.</li> <li>• License-based camera support for adding cameras as needed.</li> </ul> <p>v. Live Viewing &amp; Playback:</p> <ul style="list-style-type: none"> <li>• Multi-View: Allows simultaneous viewing of multiple camera feeds in customizable layouts.</li> <li>• Live Streaming: Offers real-time video streaming with low latency.</li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Multi-Screen Support: Supports configurations with multiple monitors for enhanced monitoring setups</li> <li><b>vi. Recording &amp; Storage:</b> <ul style="list-style-type: none"> <li>• Supports continuous, scheduled, and event-triggered recording.</li> <li>• Storage Management: Features intelligent storage management with options for redundant storage configurations to ensure data integrity.</li> </ul> </li> <li><b>vii. User Access &amp; Permissions:</b> <ul style="list-style-type: none"> <li>• Role-Based Access Control (RBAC): Enables assignment of specific permissions based on user roles.</li> <li>• Multi-User Access: Allows multiple users to access the system simultaneously with appropriate permissions.</li> <li>• Audit Trails: Maintains detailed logs of user activities and system changes.</li> </ul> </li> <li><b>viii. Advanced Search:</b> <ul style="list-style-type: none"> <li>• Minimum Advanced Search Capabilities:                             <ul style="list-style-type: none"> <li>○ Search by Motion Detection: Find footage based on detected motion events across multiple cameras.</li> <li>○ Appearance Search: Utilizes AI-driven technology to search for specific individuals or vehicles across multiple cameras and timeframes.</li> <li>○ Metadata Search: Search footage based on metadata such as time, date, camera ID, and event type.</li> <li>○ Search by Object: Ability to search for specific objects or persons within the footage, often enhanced by AI or video analytics like facial recognition or object detection.</li> <li>○ LPR Search: Search by license plate number for specific vehicles captured by LPR cameras.</li> <li>○ Advanced Tagging: Automatically tag events or objects, and allow users to search through the tags to find specific incidents or movements.</li> <li>○ Timeline Search: Visual search using a timeline that allows for faster navigation through hours or days of footage.</li> </ul> </li> </ul> </li> <li><b>ix. Intelligent Video Analytics (IVA):</b> <ul style="list-style-type: none"> <li>• Unusual Motion Detection (UMD): Automatically identifies atypical movements within the camera's field of view.</li> <li>• Unusual Activity Detection (UAD): Detects unusual activities based on speed and location, enhancing proactive monitoring.</li> <li>• Face Recognition: Provides real-time facial recognition capabilities for enhanced security measures</li> </ul> </li> <li><b>v. Alerts &amp; Notifications:</b> <ul style="list-style-type: none"> <li>• Real-Time Alerts: Sends immediate notifications via email or mobile app upon detecting predefined events such as motion or tampering.</li> <li>• Event-Based Recording: Initiates recording based on specific triggers, optimizing storage usage</li> </ul> </li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>vi. Backup &amp; Redundancy:                             <ul style="list-style-type: none"> <li>• Cloud Integration: Offers options for cloud-based backups to ensure data preservation.</li> <li>• Failover Support: Includes mechanisms for system failover to maintain continuous operation during hardware or network failures.</li> </ul> </li> <li>vii. Mobile &amp; Remote Access:                             <ul style="list-style-type: none"> <li>• Mobile apps (iOS, Android) for remote monitoring and control.</li> <li>• Web access for viewing live or recorded footage from any internet-enabled device.</li> <li>• Client software for remote live view, playback, and system management.</li> </ul> </li> <li>x. Support for Integration:                             <ul style="list-style-type: none"> <li>• Third-Party Integration: Supports integration with various third-party systems, including access control and alarm systems, enhancing overall security infrastructure.</li> <li>• API Availability: Offers APIs for custom integrations and extended functionality.</li> <li>• Video Wall Management: Centralized control for large installations with multiple display outputs.</li> </ul> </li> </ul>	
<ul style="list-style-type: none"> <li>b) VMS License                             <ul style="list-style-type: none"> <li>i. License Type: Enterprise VMS License</li> <li>ii. Supported Features:                                     <ul style="list-style-type: none"> <li>• Multi-Site Integration: Allows integration of cameras and storage systems across multiple sites.</li> <li>• Centralized Management: Centralized control panel for managing multiple locations, servers, and storage devices.</li> <li>• Distributed Recording: Recording video across multiple storage servers while providing a single management interface for all footage.</li> <li>• Failover and Redundancy: Ensures continuous video recording by providing backup servers and failover capabilities.</li> <li>• High Availability: Implements redundancy and backup systems to prevent downtime and data loss.</li> <li>• Advanced Reporting: Provides detailed reports on system health, video storage utilization, and camera status.</li> <li>• Custom User Permissions: Allows for granular control of user roles, restricting access to specific cameras, storage, or functionalities.</li> <li>• Data Encryption: End-to-end encryption for video data both in transit and at rest.</li> <li>• Custom Analytics: Integration with third-party analytics platforms or the ability to add custom analytic tools.</li> </ul> </li> <li>iii. Camera Support:</li> </ul> </li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Supports integration with IP cameras, analogue cameras, and legacy systems through encoders.</li> </ul> <p>iv. Max Cameras Supported per License:</p> <ul style="list-style-type: none"> <li>• Support 300+ of cameras across multiple sites.</li> </ul> <p>v. Resolution Support:</p> <ul style="list-style-type: none"> <li>• Supports cameras with resolutions ranging from SD to 8K.</li> </ul> <p>License Lifetime:</p> <p>i. Subscription: Term-based license fixed for a time period of up to 5 years.</p> <p>ii. Features to Include:</p> <ul style="list-style-type: none"> <li>• Up front multi-year payment term</li> <li>• Includes updates and support for the duration of the term.</li> <li>• Upgrade support.</li> </ul>	
<b>8. CAMERA LICENSES</b>	
<p>a) Indoor/Outdoor Standard Camera License</p> <p>i. Supported Camera Types:</p> <ul style="list-style-type: none"> <li>• Indoor and Outdoor IP Cameras (fixed, PTZ, dome, etc.).</li> <li>• Includes CCTV cameras and general security cameras.</li> </ul> <p>ii. Protocols Supported:</p> <ul style="list-style-type: none"> <li>• ONVIF, RTSP, H.264, H.265, MJPEG, MPEG-4.</li> </ul> <p>iii. Max Cameras per License:</p> <ul style="list-style-type: none"> <li>• One license per camera.</li> </ul> <p>iv. Resolution Support:</p> <ul style="list-style-type: none"> <li>• From SD to 8K (up to 7680 x 4320 pixels), including 4K, 1080p (Full HD), and 12MP.</li> </ul> <p>v. Key Features Supported:</p> <ul style="list-style-type: none"> <li>• Basic functionalities such as live streaming, motion detection, video recording, scheduled recording, motion-triggered recording, and event-based triggers.</li> </ul>	
<p>b) LPR Camera License</p> <p>i. License Type: LPR Camera License</p> <p>ii. Supported Camera Types:</p> <ul style="list-style-type: none"> <li>• LPR (License Plate Recognition) cameras. Specifically for vehicle recognition and plate capture.</li> </ul> <p>iii. Protocols Supported:</p> <ul style="list-style-type: none"> <li>• ONVIF, RTSP, LPR-specific protocols, H.264, H.265.</li> </ul> <p>iv. Max Cameras per License:</p> <ul style="list-style-type: none"> <li>• One license per LPR camera.</li> </ul> <p>v. Resolution Support:</p> <ul style="list-style-type: none"> <li>• High-resolution cameras supporting 1080p to 4K (3840 x 2160) for accurate plate recognition.</li> </ul> <p>vi. Key Features Supported:</p> <ul style="list-style-type: none"> <li>• Automatic license plate recognition, real-time logging, vehicle tracking.</li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Search by license plate number or vehicle characteristics such as make, model, and colour.</li> <li>• Integration with plate databases, vehicle entry/exit tracking, and real-time alerts for unauthorized vehicles.</li> </ul>	
<p>c) Thermal Camera License</p> <ol style="list-style-type: none"> <li>i. License Type: Thermal Camera License</li> <li>ii. Supported Camera Types:             <ul style="list-style-type: none"> <li>• Thermal Cameras for perimeter security, intrusion detection, and low-light surveillance.</li> </ul> </li> <li>iii. Protocols Supported:             <ul style="list-style-type: none"> <li>• ONVIF, RTSP, H.264, H.265, MPEG-4, proprietary thermal protocols.</li> </ul> </li> <li>iv. Max Cameras per License:             <ul style="list-style-type: none"> <li>• One license per thermal camera.</li> </ul> </li> <li>v. Resolution Support:             <ul style="list-style-type: none"> <li>• Thermal cameras generally have lower resolutions than standard cameras, typically 320 x 240 pixels to 640 x 480 pixels, but specialized high-resolution models may support up to 1080p or more.</li> </ul> </li> <li>vi. Key Features Supported:             <ul style="list-style-type: none"> <li>• Heat signature detection and temperature anomaly detection.</li> <li>• Intrusion detection based on thermal activity.</li> <li>• Perimeter detection and motion-triggered alerts.</li> <li>• Night surveillance and low-light operation.</li> </ul> </li> </ol>	
<p>d) Shot Detection Camera License</p> <ol style="list-style-type: none"> <li>i. License Type: Shot Detection Camera License</li> <li>ii. Supported Camera Types:             <ul style="list-style-type: none"> <li>• Shot Detection Cameras with acoustic sensors or integrated with shot detection software.</li> </ul> </li> <li>iii. Max Cameras per License:             <ul style="list-style-type: none"> <li>• One license per shot detection camera.</li> </ul> </li> <li>iv. Resolution Support:             <ul style="list-style-type: none"> <li>• Typically, 1080p or 4K cameras for video integration alongside acoustic detection for gunshot identification.</li> </ul> </li> <li>v. Key Features Supported:             <ul style="list-style-type: none"> <li>• Gunshot detection: Recognizing and logging gunfire or loud noises.</li> <li>• Audio + video integration for capturing both audio (from acoustic sensors) and video of the event.</li> <li>• Real-time alerts for gunshot incidents with automatic video footage linked to the event.</li> </ul> </li> </ol>	
<p>e) AI-Powered Video Analytics License</p> <ol style="list-style-type: none"> <li>i. License Type:             <ul style="list-style-type: none"> <li>• AI Video Analytics License</li> </ul> </li> </ol>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• AI-powered video analytics licenses allow for the use of advanced algorithms to automatically analyse video streams for specific patterns, objects, or events. The analytics can be applied to any camera type (e.g., indoor, outdoor, thermal, LPR, etc.)</li> </ul> <p>ii. Supported AI Analytics:</p> <ul style="list-style-type: none"> <li>• Object Detection: Identifies and tracks objects (people, vehicles, animals) in video streams.</li> <li>• Facial Recognition: Detects and matches faces in video footage, identifying known individuals.</li> <li>• People Counting: Counts the number of people in a scene, useful for crowd monitoring.</li> <li>• Vehicle Detection: Tracks vehicles and recognizes specific features like make, model, or colour.</li> <li>• Intrusion Detection: Identifies unauthorized entry into restricted areas.</li> <li>• Behavioural Analytics: Detects suspicious behaviour, such as loitering or running.</li> <li>• License Plate Recognition (LPR): Advanced license plate recognition integrated with AI for more accurate results.</li> <li>• Traffic Flow Analysis: Analyses traffic patterns, vehicle speed, and congestion.</li> </ul> <p>iii. Max Analytics Per Camera:</p> <ul style="list-style-type: none"> <li>• Multiple analytics can be applied to each camera stream.</li> <li>• Additional license(s) required for each AI analytics type activated.</li> </ul> <p>iv. Resolution Support:</p> <ul style="list-style-type: none"> <li>• Compatible with HD, 4K, and higher-resolution cameras for best AI processing.</li> </ul> <p>v. Key Features Supported:</p> <ul style="list-style-type: none"> <li>• Real-time alerts triggered by AI analytics (e.g., person detected, vehicle detected, etc.).</li> <li>• Smart Search: Search video footage using AI-based tagging (e.g., “find all footage with people” or “find cars entering a zone”).</li> <li>• Event-based recording triggered by specific AI detections (e.g., vehicle crossing a boundary).</li> <li>• Auto-generated reports: AI can analyse footage and produce reports (e.g., vehicle traffic, crowd density).</li> <li>• Facial recognition and matching to a pre-existing database of faces for access control.</li> </ul>	
<p>f) Video Analytics and AI Features for All Camera Types</p> <ul style="list-style-type: none"> <li>i. License Type: Advanced Video Analytics and AI Feature License</li> <li>ii. Key Features:</li> </ul>	

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CCTV/LPR INSTALLATIONS, UPGRADES, MAINTENANCE, REPAIRS	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Behavioural Analytics: Detect abnormal behaviour (e.g., running, suspicious objects left unattended).</li> <li>• Facial Recognition: Integrated facial recognition to match faces against a database of known individuals.</li> <li>• Smart Search: Allows searching of video footage based on AI-derived events, such as “people detected”, “unusual movement”, “vehicle detected”, etc.</li> <li>• Object Counting and Classification: Counts and classifies objects (e.g., vehicles, people) based on real-time detection.</li> <li>• Scene Change Detection: Alerts when the camera’s view changes (e.g., someone tampering with the camera or obstructing the lens).</li> <li>• Person/Vehicle Tracking: Track the movement of people or vehicles across multiple cameras.</li> <li>• Thermal Analytics: Specialized analytics for thermal cameras to detect temperature anomalies or intrusions based on heat patterns.</li> </ul>	

LPR CLOUD SERVICES	COMPLIANCE Yes/No
<p>Provision of cloud-based services that enhance LPR systems with supported features such as real-time vehicle intelligence, data storage, and analytics.</p> <ul style="list-style-type: none"> <li>i. Database Integration: <ul style="list-style-type: none"> <li>• Access to real-time suspicious and stolen vehicles and/or violation databases.</li> <li>• Real-time queries with fast response times.</li> </ul> </li> <li>ii. Violation Detection: <ul style="list-style-type: none"> <li>• Automatic detection red-light violations, or speeding.</li> <li>• Rule-based customization for specific violation types.</li> </ul> </li> <li>iii. Reports and Dashboards: <ul style="list-style-type: none"> <li>• Customizable real-time and historical violation reports.</li> <li>• Analytics on violation trends and high-risk zones.</li> <li>• Web-based application login and search features by authorized officials.</li> </ul> </li> <li>iv. Real-Time Alerts and Notifications: <ul style="list-style-type: none"> <li>• Instant notifications of violations, including actionable alerts.</li> </ul> </li> <li>v. Cost Structure: <ul style="list-style-type: none"> <li>• Pricing for API access, violation detection, data storage, and per lane camera licenses.</li> <li>• LPR cloud services annual license fee.</li> <li>• LPR cloud services monthly fee.</li> </ul> </li> </ul>	

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CONTROL ROOM EQUIPMENT AND RELATED ACCESSORIES	COMPLIANCE Yes/No
<b>1. CONTROL ROOM HARDWARE</b>	
a) Monitoring Screens <ul style="list-style-type: none"> <li>i. High-Resolution Monitors                             <ul style="list-style-type: none"> <li>• Resolution: 1920x1080 (Full HD) minimum, 3840x2160 (4K) recommended.</li> <li>• Screen Size: 24-inch or larger.</li> <li>• Panel Type: IPS (In-Plane Switching) for better colour accuracy and viewing angles.</li> <li>• Refresh Rate: 60Hz or higher for smooth video playback.</li> <li>• Response Time: 5ms or lower for smooth motion without ghosting.</li> <li>• Connectivity: HDMI, DisplayPort, and/or VGA for flexible connections.</li> <li>• Brightness: 250-350 cd/m<sup>2</sup> for proper visibility in controlled lighting environments.</li> <li>• Viewing Angle: 178° horizontal and vertical for multi-user setups.</li> </ul> </li> </ul>	
b) Video Wall System <ul style="list-style-type: none"> <li>i. Screen Type: LED panels designed for video walls. Existing screen currently installed is LG 55SM5KE-B model of which must be replaced with new screens.</li> <li>ii. Resolution: 1080p (Full HD) or 4K for large-scale clarity.</li> <li>iii. Size: Each individual screen (typically 55inch or bigger) is part of a multi-screen wall.</li> <li>iv. Bezel Width: Ultra-narrow bezels (&lt;1mm) to minimize visible lines between screens.</li> <li>v. Brightness: 700-1500 cd/m<sup>2</sup> for high visibility in ambient light.</li> <li>vi. Input Connectivity: HDMI, DisplayPort, VGA, and network inputs.</li> <li>vii. Control System: Video wall controller for distributing and managing content across the wall.</li> </ul>	
c) Video Wall Control Systems <ul style="list-style-type: none"> <li>i. Video Wall Controller                             <ul style="list-style-type: none"> <li>• Purpose: To manage multiple video streams across a large display or video wall.</li> <li>• Specifications:                                     <ul style="list-style-type: none"> <li>○ Input Types: HDMI, DisplayPort, VGA, and SDI.</li> <li>○ Display Management: Ability to split or extend a single feed across multiple monitors.</li> <li>○ Customizable Layouts: Operators can choose to display different camera views, maps, or other information on the wall.</li> </ul> </li> </ul> </li> <li>ii. Video Distribution System                             <ul style="list-style-type: none"> <li>• Purpose: To distribute video feeds from cameras to multiple monitoring points within the control room.</li> <li>• Features:</li> </ul> </li> </ul>	

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<ul style="list-style-type: none"> <li>○ HDMI/SDI Splitters: To send video to multiple screens simultaneously.</li> <li>○ KVM Switches: Allows operators to switch between multiple sources of video and data without having to move between different workstations.</li> </ul>	
<p>d) Workstations (PCs &amp; Servers)</p> <ul style="list-style-type: none"> <li>i. Processor (CPU): Intel i9 or higher or AMD Ryzen 7/9 (6+ cores) for efficient data processing.</li> <li>ii. RAM: 16GB minimum (32GB or 64GB recommended for high-performance video processing).</li> <li>iii. Storage (Both installed):                             <ul style="list-style-type: none"> <li>• SSD (Solid-State Drive) for operating system and critical software (512GB or higher).</li> <li>• HDD/RAID Storage (2TB or higher) for storing large amounts of video data.</li> </ul> </li> <li>iv. Graphics Card (GPU):                             <ul style="list-style-type: none"> <li>• For AI-based systems, NVIDIA RTX 3000 series recommended.</li> </ul> </li> <li>v. Networking: Gigabit Ethernet (1GbE or higher) for seamless data transmission.</li> <li>vi. Operating System: Windows 10 Pro or Windows Server 2019 or any recommended version</li> <li>vii. Cooling: High-efficiency fans for extended usage.</li> <li>viii. Mouse &amp; Keyboard must be included (preferably wired)</li> </ul>	
<p>e) Mouse and Keyboards</p> <ul style="list-style-type: none"> <li>i. Wired Mouse (with scroll wheel and functionality buttons)                             <ul style="list-style-type: none"> <li>• High DPI (Dots Per Inch): A DPI range of up to 4000 DPI for precise cursor movements.</li> <li>• Adjustable DPI: On-the-fly DPI adjustment for precision tasks like zooming in on video footage or monitoring specific areas.</li> </ul> </li> <li>ii. Wired Keyboard                             <ul style="list-style-type: none"> <li>• Anti-Ghosting and N-Key Rollover: Ensures multiple keys can be pressed simultaneously without missed inputs.</li> <li>• Shortcut Keys: Programmable keys that allow for quick access video feeds, control systems, or trigger alarms with a single press.</li> <li>• Backlit Keys: Ideal for low-light environments in control rooms (optional feature)</li> </ul> </li> </ul>	
<p>f) Hard Drives and Graphic Cards These will serve as replacement for faulty hard drives or graphic cards if original equipment cannot be replaced or is past warranty period.</p> <ul style="list-style-type: none"> <li>i. Hard Drives:                             <ul style="list-style-type: none"> <li>• For NVR devices: Capacity at a minimum of 10TB required with Intelli Power technology.</li> <li>• For Workstations: Capacity at a minimum of 2TB required or 512GB Solid State Drives.</li> </ul> </li> </ul>	

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<ul style="list-style-type: none"> <li>• All hard drives to handle a workload rate of 90TB per year at least.</li> <li>• Minimum transfer rate speed of up to 150MB/s (HDD) and up to 3500 MB/s (SSD)</li> </ul> <p>ii. Graphics Card</p> <ul style="list-style-type: none"> <li>• Video Outputs: Support up to 4 displays simultaneously for advanced multi-display setups.</li> <li>• 4GB GDDR5 memory or better</li> <li>• Advanced Image Processing</li> <li>• Optimized for 3D application and video processing</li> </ul>	
<p>g) Network Switches &amp; Routers</p> <p>i. Ethernet Switches:</p> <ul style="list-style-type: none"> <li>• Type: Managed Gigabit Ethernet switch with PoE (Power over Ethernet) support.</li> <li>• Port Count: 8, 16, 24, or 48 ports (depending on the number of cameras and devices).</li> <li>• PoE: IEEE 802.3af/at compliant, providing both data and power to cameras via a single Ethernet cable.</li> <li>• Switching Capacity: 10-20 Gbps for non-blocking performance.</li> <li>• VLAN Support: To separate video traffic from other network traffic.</li> <li>• Security: Built-in security features like port security, access control lists (ACLs), and 802.1X authentication for secure communications.</li> <li>• Fanless Design: For silent operation in the control room.</li> <li>• Managed Features: SNMP, remote monitoring, and management via a web interface.</li> </ul> <p>h) Routers</p> <ul style="list-style-type: none"> <li>• Type: Dual-band Gigabit router with VPN support.</li> <li>• Speed: Support for 1Gbps throughput or higher.</li> <li>• Connectivity: Dual WAN ports for failover capability and load balancing.</li> <li>• Wi-Fi: Dual-band Wi-Fi 6 (802.11ax) if required for wireless operations.</li> <li>• Security: Firewall (stateful packet inspection), NAT, VPN support (IPsec, L2TP, OpenVPN).</li> <li>• QoS (Quality of Service): To prioritize real-time video traffic for CCTV/LPR feeds.</li> </ul>	
<p>i) Cabling and Connectivity</p> <p>i. Ethernet Cables (Cat5e, Cat6, or Fiber Optic)</p> <ul style="list-style-type: none"> <li>• Ethernet (Cat5e/Cat6): <ul style="list-style-type: none"> <li>○ Cat5e: 1000 Mbps (Gigabit speed).</li> <li>○ Cat6: 10Gbps support for higher data throughput.</li> <li>○ Cable Length: No more than 100 meters would be required for Cat5e/Cat6 to avoid signal degradation.</li> </ul> </li> <li>• Fiber Optic Cables:</li> </ul>	

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CONTROL ROOM EQUIPMENT AND RELATED ACCESSORIES	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>○ Single-Mode Fiber (SMF): For long-distance, high-bandwidth connections.</li> <li>○ Multi-Mode Fiber (MMF): For shorter distances, typically within a building or campus.</li> <li>○ Wavelength: 1310nm or 1550nm for long-distance communications.</li> </ul> <p>j) Power Supply Units (PSUs)</p> <ul style="list-style-type: none"> <li>i. PoE Switches: Provide power and data over a single cable, simplifying camera installations.                             <ul style="list-style-type: none"> <li>• PoE Standard: IEEE 802.3af (up to 15.4W per port) or IEEE 802.3at (up to 25.5W per port) depending on camera power requirements.</li> </ul> </li> <li>ii. UPS (Uninterruptible Power Supply):                             <ul style="list-style-type: none"> <li>• Capacity: 1500VA.</li> <li>• Battery Runtime: Minimum of 60 minutes of backup time to allow for safe system shutdown during power loss.</li> <li>• Power Rating: Ensure that the UPS can handle the combined power draw of all connected devices, including workstations, monitors, servers, and switches.</li> </ul> </li> </ul>	
<p>k) HDMI Cables</p> <ul style="list-style-type: none"> <li>i. Cable Type: High Speed</li> <li>ii. Bandwidth: About 10Gbps</li> <li>iii. Max Resolution: 1080p, 4K @30Hz</li> <li>iv. Length of Cable: Up to 10m</li> </ul>	
<p>l) Batteries</p> <ul style="list-style-type: none"> <li>i. 6V Lithium Battery                             <ul style="list-style-type: none"> <li>• Nominal Voltage: 6V</li> <li>• Capacity Range: 5Ah – 50Ah</li> <li>• Charge Voltage: 7.2V – 7.4V</li> <li>• Discharge Cutoff Voltage: 5.0V</li> <li>• Max Charge Current: 1C (e.g., 10A for 10Ah battery)</li> <li>• Max Discharge Current: 2C (varies by model)</li> <li>• Weight: about 0.5 – 2.5kg</li> </ul> </li> <li>ii. 12V Lithium Battery                             <ul style="list-style-type: none"> <li>• Nominal Voltage: 12V (typically 12.8V for LiFePO<sub>4</sub>)</li> <li>• Capacity Range: 10Ah – 200Ah</li> <li>• Charge Voltage: 14.4V – 14.6V</li> <li>• Discharge Cutoff Voltage: 10.0V</li> <li>• Max Charge Current: 1C (e.g., 50A for 50Ah battery)</li> <li>• Max Discharge Current: 2C (varies by application)</li> <li>• Weight: about 2 – 20kg</li> </ul> </li> <li>iii. 24V Lithium Battery                             <ul style="list-style-type: none"> <li>• Nominal Voltage: 24V (typically 25.6V for LiFePO<sub>4</sub>)</li> <li>• Capacity Range: 10Ah – 300Ah</li> </ul> </li> </ul>	

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<ul style="list-style-type: none"> <li>• Charge Voltage: 28.8V – 29.2V</li> <li>• Discharge Cutoff Voltage: 20.0V</li> <li>• Max Charge Current: 1C (e.g., 100A for 100Ah battery)</li> <li>• Max Discharge Current: 2C (varies by application)</li> <li>• Weight: about 5 – 40kg</li> </ul>	
<b>2. CONTROL ROOM SOFTWARE</b>	
<p>a) Video Analytics Software (Third Party) Purpose: Enhance the basic CCTV video feed by analysing the footage for specific events or patterns that need attention, such as detecting intruders, abandoned objects, crowd monitoring, or LPR (license plate recognition).</p> <p>i. Key Features:</p> <ul style="list-style-type: none"> <li>• Object detection: Detect and track people, vehicles, or other objects.</li> <li>• Facial recognition: Identify individuals or compare faces against a database.</li> <li>• License Plate Recognition (LPR): Detect and log license plates for vehicle access control.</li> <li>• Behavioural analytics: Detect suspicious behaviour or events, such as loitering or unauthorized access.</li> <li>• Motion detection: Trigger alerts when motion is detected in predefined areas.</li> </ul> <p>ii. Software License Subscription</p> <ul style="list-style-type: none"> <li>• Period: Term-based subscription of at least 5 years</li> <li>• Support version upgrades and no additional cost within the period of the active license.</li> </ul>	

ELECTRICAL & CIVIL WORKS, LABOUR, AND COC	COMPLIANCE Yes/No
<p>a) All civil works require a CIDB grading of 1CE or higher. If intended to subcontract, the civil part of the tender, CIDB grading of 1CE is required from the subcontractor. If not subcontracted, bidder must have a 1CE or higher (Please submit the subcontractor CIDB certificates or CRS no with the tender document).</p> <p>b) All civil works must make use of 100% local labour.</p> <ul style="list-style-type: none"> <li>• All labourers, including skilled and unskilled workers, must be sourced from the local community.</li> <li>• Contractors must provide proof of local employment (ID copies, proof of residence).</li> <li>• Training and skills transfer programs may be required for sustainability.</li> <li>• Compliance with local employment laws and fair wage practices.</li> </ul>	
<p>Civil works include, but are not limited to, excavation, foundation work, cable protection, pole/tower installations, electrical work, and ensuring compliance with local construction and safety standards.</p> <p>a) Soil Considerations for Trenching</p> <p>i. Suitable Soil for Trenching &amp; Backfilling:</p> <ul style="list-style-type: none"> <li>• Fine-grain soil (clay, loam, or sandy loam) is preferred.</li> </ul>	

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<ul style="list-style-type: none"> <li>• Should be free of rocks, sharp debris, and large organic materials.</li> <li>ii. Unsuitable Soil Conditions:                             <ul style="list-style-type: none"> <li>• Loose sandy soil requires additional compaction.</li> <li>• Rocky areas need extra padding (sand or selected soil).</li> <li>• Swampy areas may need pipe encasement in concrete.</li> </ul> </li> <li>b) Trenching, Backfilling, Compacting, and Reinstatement                             <ul style="list-style-type: none"> <li>• Trenching: Digging a trench at least 0.5m wide x 0.75m deep for underground cable works.</li> <li>• Backfilling: Refilling the trench with appropriate material (sand, soil, or concrete).</li> <li>• Compacting: Using mechanical or manual compaction methods to restore ground stability.</li> <li>• Reinstatement: Returning the surface to its original condition (asphalt, paving, grass, etc.).</li> <li>• Safety Measures: Compliance with occupational health and safety standards.</li> </ul> </li> <li>c) Laying of Low Voltage Conductor per Meter                             <ul style="list-style-type: none"> <li>• Material: Copper and Aluminium conductors.</li> <li>• Installation: Proper alignment and secure laying of cables in trenches.</li> <li>• Protection: Using conduits or cable trays to prevent damage.</li> <li>• Testing: Ensuring proper conductivity and insulation resistance before commissioning.</li> </ul> </li> <li>d) Laying of PVC Pipe Ducts                             <ul style="list-style-type: none"> <li>i. PVC Pipe Duct Material                                     <ul style="list-style-type: none"> <li>• Material: High-quality unplasticized PVC (UPVC) or HDPE for added durability.</li> <li>• Diameter: Typically, 50mm, 75mm, 110mm, or 160mm, depending on cable volume.</li> <li>• Wall Thickness: Must comply with SANS 966-1 or BS EN 61386 for conduit pipes.</li> <li>• UV Resistance: If exposed, must be UV stabilized to prevent degradation.</li> <li>• Crush Resistance: Pipes should withstand required load-bearing capacity (e.g., 450N for light duty, 750N for heavy duty).</li> </ul> </li> <li>ii. Trenching Requirements for Underground PVC Pipe Installation                                     <ul style="list-style-type: none"> <li>• Depth: 0.5m to 1.0m deep, depending on the project requirements and cable type.</li> <li>• Width: 0.3m to 0.75m wide based on the number of conduits being installed.</li> <li>• Base Preparation:   <ul style="list-style-type: none"> <li>• A 100mm layer of sand or fine soil must be placed at the bottom to protect pipes.</li> </ul> </li> <li>• Pipes must be laid in a straight line with minimal bends.</li> </ul> </li> <li>iii. Laying Process of PVC Pipe Ducts</li> </ul> </li> </ul>	

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<ul style="list-style-type: none"> <li>• Pipes should be laid continuously without unnecessary joints to avoid weak points.</li> <li>• Bends &amp; Curves:                             <ul style="list-style-type: none"> <li>○ Avoid sharp bends (use long-radius bends or prefabricated elbows).</li> <li>○ Bending radius should be at least 6 times the pipe diameter.</li> </ul> </li> <li>• Jointing Methods:                             <ul style="list-style-type: none"> <li>○ Use solvent cement welding for small diameter pipes (50mm – 110mm).</li> <li>○ Use rubber ring-sealed joints for large diameter pipes.</li> <li>○ Ensure proper alignment before joining.</li> </ul> </li> <li>• Expansion Gaps: Allow for thermal expansion by leaving small gaps at joints.</li> </ul> <p>e) Laying of Fibre and UTP Cabling</p> <ul style="list-style-type: none"> <li>• Types of Cables: Single-mode or multi-mode fibre optic cables, UTP (Unshielded Twisted Pair) for networking.</li> <li>• Installation Method: Underground (in ducts), aerial (on poles), or direct buried.</li> <li>• Protective Measures: Conduits, armoured sheathing, and warning tape.</li> <li>• Testing: OTDR (Optical Time-Domain Reflectometer) testing for fibre; Fluke testing for UTP cables.</li> </ul> <p>f) Poles – Digging Depths and Planting</p> <ul style="list-style-type: none"> <li>• Digging Depth: Typically, 1.5m – 2.5m deep, depending on pole height and soil conditions.</li> <li>• Pole Types: Wooden, steel (galvanized), or concrete poles.</li> <li>• Installation Method: Direct burial or concrete foundation.</li> <li>• Alignment: Ensuring vertical positioning and securing with guy wires if necessary.</li> </ul> <p>g) Transport per Hour (Hiring of Vehicles)</p> <ul style="list-style-type: none"> <li>• Truck: Used for transporting materials and equipment – 3ton required or heavier</li> <li>• Crane Truck: Required for lifting and placing heavy equipment like transformers.</li> <li>• Cherry Picker: Used for overhead installations, maintenance, and repairs.</li> <li>• Driver Included: Vehicle hire must include a qualified driver/operator.</li> <li>• Rates: Per-hour rental costs for each vehicle and driver.</li> </ul> <p>h) Cleaning of Site</p> <ul style="list-style-type: none"> <li>• Debris Removal: Clearing leftover construction materials and waste.</li> <li>• Restoration: Returning the site to its original or agreed-upon condition.</li> <li>• Disposal: Proper disposal of hazardous and non-hazardous waste.</li> <li>• Final Inspection: Ensuring compliance with environmental and safety regulations.</li> </ul> <p>i) Per Hour Rating</p>	

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<ul style="list-style-type: none"> <li>• Mondays to Fridays: Standard labour rates for regular working hours (6am to 6pm) and after working hours (6pm to 6am).</li> <li>• Public Holidays Rate: Increased rates (typically 1.5x or 2x standard rate).</li> <li>• Overtime Charges: Additional costs for extended working hours beyond standard shifts.</li> </ul> <p>j) Earthing Conductor (10 – 16mm)</p> <ul style="list-style-type: none"> <li>• Material: Copper or aluminium conductors.</li> <li>• Size Specification: 10mm<sup>2</sup> - 16mm<sup>2</sup>, based on system earthing requirements.</li> <li>• Installation: Proper grounding to ensure safety and prevent electrical faults.</li> <li>• Testing &amp; Compliance: Resistance testing to ensure adequate grounding.</li> </ul> <p>k) Wayleave Application &amp; Drawing of Electricity Installation Layout</p> <p>i. Wayleave Application:</p> <ul style="list-style-type: none"> <li>• Obtaining permissions from municipal authorities and property owners.</li> <li>• Submission of necessary documents, maps, and impact assessments.</li> <li>• Compliance with municipal regulations and approval timelines.</li> </ul> <p>ii. Electricity Installation Layout:</p> <ul style="list-style-type: none"> <li>• Detailed schematic drawings of electrical infrastructure.</li> <li>• Specification of cable routes, transformer locations, and pole placements.</li> <li>• Compliance with national electrical standards (e.g., SANS, IEC).</li> </ul>	
<p>a) Safety Compliance and Regulations</p> <ul style="list-style-type: none"> <li>• All work must adhere to Occupational Health and Safety (OHS) standards.</li> <li>• Use of Personal Protective Equipment (PPE) (helmets, gloves, safety boots, high-visibility vests).</li> <li>• Risk Assessments &amp; Method Statements (RAMS) before commencing work.</li> <li>• Compliance with municipal and national electrical codes (e.g., SANS, IEC).</li> </ul>	
<p>a) Testing &amp; Commissioning</p> <p>i. Cable Testing:</p> <ul style="list-style-type: none"> <li>• Megger (insulation resistance test) for LV cables.</li> <li>• Continuity and polarity tests.</li> <li>• Fibre Optic OTDR (Optical Time-Domain Reflectometer) testing.</li> </ul> <p>ii. Earthing System Testing:</p> <ul style="list-style-type: none"> <li>• Earth resistance measurement to ensure safe discharge of electrical faults.</li> </ul> <p>iii. Voltage &amp; Load Testing:</p> <ul style="list-style-type: none"> <li>• Ensuring system stability before handover.</li> </ul>	
<p>a) Maintenance and Post-Installation Support</p> <ul style="list-style-type: none"> <li>• Scheduled routine inspections of cables, poles, and infrastructure.</li> </ul>	

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<ul style="list-style-type: none"> <li>Emergency response plan in case of electrical failures or damage.</li> <li>Spare parts inventory (earthing rods, connectors, poles, conductors).</li> <li>Remote monitoring of fibre optic cables to detect signal loss.</li> </ul>	

CONDITIONS – SUPPLY, DELIVERY AND INSTALLATION OF NEW BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT, WITH MAINTENANCE AND REPAIRS OF EXISTING BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT	COMPLIANCE Yes/No
<b>a) CAMERA (MOTOROLA VB400/Equivalent)</b>	
<ul style="list-style-type: none"> <li>i. Physical Specifications                             <ul style="list-style-type: none"> <li>Dimensions: 68mm x 89mm x 27mm (Compact and lightweight)</li> <li>Mounting System: Quick release fixing with Klick Fast harness for secure and convenient attachment</li> </ul> </li> <li>ii. Battery &amp; Power                             <ul style="list-style-type: none"> <li>Battery Type: Lithium-Polymer (High energy density and rechargeable)</li> <li>Battery Life:                                     <ul style="list-style-type: none"> <li>Recording Time: Up to 12 hours on a full charge</li> <li>Standby Time: Up to 48 hours</li> </ul> </li> <li>Charging Time: Up to 8 hours from a fully depleted state</li> </ul> </li> <li>iii. Storage &amp; Memory                             <ul style="list-style-type: none"> <li>Internal Storage: 64GB Solid-State Storage (SSD)</li> <li>Data Retention: Reliable and tamper-proof onboard storage</li> </ul> </li> <li>iv. Camera &amp; Recording Capabilities                             <ul style="list-style-type: none"> <li>Field of View: 120° Horizontal Field of View (Wide-angle lens for broad coverage)</li> <li>Resolution: 640 x 360 pixels</li> <li>Frame Rate: 25 to 30 FPS (Smooth video recording)</li> </ul> </li> <li>v. Wireless &amp; Connectivity                             <ul style="list-style-type: none"> <li>Wi-Fi Standards: 802.11 a/b/g/n (Dual-band 2.4 GHz &amp; 5 GHz for stable connectivity)</li> <li>Security: WPA2-PSK encryption for secure wireless data transmission</li> <li>Peer Assist Feature: Within 10m range for real-time communication with another device</li> </ul> </li> <li>vi. Environmental &amp; Durability                             <ul style="list-style-type: none"> <li>Weather Resistance: IP54 Rated (Protected against dust and splashes of water)</li> <li>Operating Conditions: Designed for indoor and outdoor use</li> </ul> </li> </ul>	
<b>b) VIDEO MANAGER PLUS WITH CAMERA LICENSE</b>	
<ul style="list-style-type: none"> <li>i. License Types &amp; Capacity                             <ul style="list-style-type: none"> <li>Enterprise License: For managing over 16 cameras (scalable for large installations).</li> </ul> </li> </ul>	

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CONDITIONS – SUPPLY, DELIVERY AND INSTALLATION OF NEW BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT, WITH MAINTENANCE AND REPAIRS OF EXISTING BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT	COMPLIANCE Yes/No
<p>Additional Camera License: Available as an add-on to increase camera capacity by specific increments (e.g., 4, 8, 16 additional cameras). License Activation: A one-time activation key for the respective camera count.</p> <p>ii. Supported Cameras Cameras: Compatible with a range of IP cameras, including fixed, PTZ (pan-tilt-zoom), and specialty cameras.</p> <p>iii. Resolution Support: Up to 4K resolution for high-definition monitoring. Supports cameras with resolutions from 720p to 4K. Camera Models: Typically supports H.264, H.265, and MJPEG camera streams.</p> <p>iv. Features &amp; Capabilities</p> <ul style="list-style-type: none"> <li>• Video Recording: <ul style="list-style-type: none"> <li>○ Continuous recording and event-based recording based on motion detection or specific triggers.</li> <li>○ Supports multi-camera viewing for live monitoring and playback.</li> </ul> </li> <li>• Camera Control: <ul style="list-style-type: none"> <li>○ Pan, Tilt, Zoom (PTZ) control via the system for compatible cameras.</li> <li>○ Camera settings management, including brightness, contrast, and motion detection sensitivity.</li> </ul> </li> <li>• Camera Grouping: Organize cameras into groups for easier management and monitoring.</li> <li>• Camera Health Monitoring: <ul style="list-style-type: none"> <li>○ Real-time health check for connected cameras, alerting for connectivity issues or faults.</li> </ul> </li> </ul> <p>v. Video Streaming &amp; Security</p> <ul style="list-style-type: none"> <li>• Streaming Protocols: <ul style="list-style-type: none"> <li>○ Supports RTSP, RTMP, and HTTP streaming for live video feeds.</li> <li>○ Compatible with most standard streaming platforms.</li> </ul> </li> <li>• Encryption: <ul style="list-style-type: none"> <li>○ Secure camera video streams using SSL/TLS encryption.</li> <li>○ WPA2 encryption for wireless camera connections.</li> </ul> </li> <li>• User Authentication: <ul style="list-style-type: none"> <li>○ Role-based user access control to define permissions for camera management and viewing.</li> <li>○ Two-factor authentication (2FA) for additional security.</li> </ul> </li> </ul> <p>vi. Recording &amp; Storage</p> <ul style="list-style-type: none"> <li>• Recording Formats: <ul style="list-style-type: none"> <li>○ Supports MP4 and AVI video formats for playback and export.</li> </ul> </li> </ul>	

PRINT NAME:			
CAPACITY:		Name of firm	
SIGNATURE:		DATE:	



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CONDITIONS – SUPPLY, DELIVERY AND INSTALLATION OF NEW BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT, WITH MAINTENANCE AND REPAIRS OF EXISTING BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>○ Compatibility with ONVIF-enabled cameras for integration with third-party systems.</li> <li>• Storage:                             <ul style="list-style-type: none"> <li>○ Can be configured to store recordings locally or remotely on a Network Video Recorder (NVR) or cloud storage.</li> <li>○ Supports long-term archiving with customizable retention policies.</li> </ul> </li> <li>vii. Software &amp; Integration                             <ul style="list-style-type: none"> <li>• VMP Software Compatibility:                                     <ul style="list-style-type: none"> <li>○ Compatible with Motorola Video Manager Plus and Motorola Command Central Aware systems.</li> <li>○ Integrates seamlessly with other Motorola communications and security solutions.</li> </ul> </li> <li>• API Support:                                     <ul style="list-style-type: none"> <li>○ Provides RESTful APIs for integration with other security management systems and third-party applications.</li> </ul> </li> </ul> </li> <li>viii. Maintenance &amp; Support                             <ul style="list-style-type: none"> <li>• License Validity: Typically provided with a 1-year or multi-year subscription for software updates and technical support.</li> <li>• Technical Support: Access to 24/7 technical support via email, phone, or chat.</li> </ul> </li> <li>ix. Software Updates:                             <ul style="list-style-type: none"> <li>• Regular software updates to enhance features, camera compatibility, and security.</li> <li>• Includes patches for bug fixes and system optimization.</li> </ul> </li> <li>x. Additional Licenses and Upgrades                             <ul style="list-style-type: none"> <li>• Add-on Licenses: Can be purchased to add additional camera licenses or to increase storage capacity.</li> <li>• Upgrades: Options for upgrading from basic to higher-tier licenses as system needs grow.</li> </ul> </li> </ul>	
<b>3. DOCKING STATIONS</b>	
<p>a) VB400 Solo Dock Station (or equivalent)</p> <ul style="list-style-type: none"> <li>i. Physical Specifications                             <ul style="list-style-type: none"> <li>• Dimensions:                                     <ul style="list-style-type: none"> <li>○ 75 mm x 90 mm x 40 mm (Compact and space-efficient design)</li> </ul> </li> <li>• Weight:                                     <ul style="list-style-type: none"> <li>○ Up to 250 g (Lightweight for portability and ease of installation)</li> </ul> </li> </ul> </li> <li>ii. Connectivity &amp; Power                             <ul style="list-style-type: none"> <li>• Connectivity:                                     <ul style="list-style-type: none"> <li>○ Single USB to PC connectivity (Enables easy integration with a PC via USB, facilitating data transfer and communication)</li> </ul> </li> <li>• Power Connection:</li> </ul> </li> </ul>	

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<p>CONDITIONS – SUPPLY, DELIVERY AND INSTALLATION OF NEW BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT, WITH MAINTENANCE AND REPAIRS OF EXISTING BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT</p>	<p>COMPLIANCE Yes/No</p>
<ul style="list-style-type: none"> <li>o 5V USB Power connection (Operates using standard 5V USB power input, ensuring simple and widely available power source)</li> <li>iii. Docking Features                             <ul style="list-style-type: none"> <li>• Docking Capability:                                     <ul style="list-style-type: none"> <li>o Up to 4 single-port docks can be connected to a single dock controller (Allows for efficient management of multiple devices through a single controller, enhancing scalability)</li> </ul> </li> </ul> </li> </ul>	
<ul style="list-style-type: none"> <li>a) VB400 14 Port Dock Station (or equivalent)                             <ul style="list-style-type: none"> <li>i. Physical Specifications                                     <ul style="list-style-type: none"> <li>• Dimensions:   <ul style="list-style-type: none"> <li>o 38 mm x 200 mm x 436 mm (Compact and streamlined design suitable for efficient space usage)</li> </ul> </li> <li>• Weight:   <ul style="list-style-type: none"> <li>o Up to 2.5 kg (Moderately lightweight for ease of handling while maintaining robust build quality)</li> </ul> </li> </ul> </li> <li>iii. Connectivity &amp; Power                                     <ul style="list-style-type: none"> <li>• Connectivity Options:   <ul style="list-style-type: none"> <li>o Single USB to PC or Dock Controller connector (Enables reliable and straightforward connection between the device and either a PC or dock controller)</li> </ul> </li> <li>• Power Connection:   <ul style="list-style-type: none"> <li>o Mains adaptor for power (included with the unit)</li> <li>o 12V/5A PSU input (Provides stable power for smooth operation of the docking station)</li> </ul> </li> <li>• Power Supply Unit (PSU):   <ul style="list-style-type: none"> <li>o Input Range: 100-240V</li> <li>o PSU Supplied (Comes with a versatile PSU compatible with global voltage standards, ensuring reliable power supply)</li> </ul> </li> </ul> </li> <li>iv. Docking Capabilities                                     <ul style="list-style-type: none"> <li>• Multiple Docking Stations:   <ul style="list-style-type: none"> <li>o Multiple docking stations can be connected to a single dock controller or PC</li> <li>o (Supports scalability, allowing multiple devices to be managed efficiently from a single interface)</li> </ul> </li> </ul> </li> </ul> </li> </ul>	
<p><b>4. OTHER ACCESSORIES AND RELATED EQUIPMENT</b></p>	
<ul style="list-style-type: none"> <li>a) RFID Reader                             <ul style="list-style-type: none"> <li>• Attach to DC-200 via USB Connection; Video management software; 1 year return manufacturer warranty; snap-in holder to securely fix device to flat surface; 88 x 56 x 18 mm dimension; up to 115 g; 4 in (100mm) for both low frequencies.</li> </ul> </li> <li>b) RFID Card                             <ul style="list-style-type: none"> <li>• Programmable to each user profile and assigned VB400 device</li> </ul> </li> <li>c) Dock Controller</li> </ul>	

<p>PRINT NAME:</p>			
<p>CAPACITY:</p>		<p>Name of firm</p>	
<p>SIGNATURE:</p>		<p>DATE:</p>	



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<p>CONDITIONS – SUPPLY, DELIVERY AND INSTALLATION OF NEW BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT, WITH MAINTENANCE AND REPAIRS OF EXISTING BODYWORN CAMERAS, ACCESSORIES, AND RELATED EQUIPMENT</p>	<p>COMPLIANCE Yes/No</p>
<ul style="list-style-type: none"> <li>• Connect to video manager over ethernet with multiple docks attached via USB; 1 year return to manufacturer warranty; 154 x 136 x 37 mm dimensions; up to 700 g; Connect up to 84 bodycams to one DC-200 (ideally used with 14-port docks); 20 W Max power consumption; 100 – 240; Gigabit Ethernet Port (1000/100/10 Mbps) for rapid footage download and bodycam assistance.</li> </ul> <p>d) Harnesses/Mounts</p> <ul style="list-style-type: none"> <li>• Uniform Screw-On Dock for VB400</li> <li>• Klick fast Dock Clamp for VB400</li> <li>• Close-fit Magnetic Mount for VB400</li> <li>• Close-fit Double MOLLE mount for VB400</li> <li>• Klick Fast dock for MOLLE vests to securely attached body-worn camera to a MOLLE Vest</li> </ul> <p>e) External Solo Charging Cable</p>	

<p>MAINTENANCE, REPAIRS, EMERGENCY CALL-OUTS, LABOUR, UPGRADES</p>	<p>COMPLIANCE Yes/No</p>
<p>a) 24-Hour Maintenance &amp; Support</p> <p>i. Scope of Support:</p> <ul style="list-style-type: none"> <li>• 24-hour maintenance and support for all CCTV, LPR, and related systems.</li> <li>• Support is available around the clock, ensuring continuous operation and quick issue resolution.</li> </ul> <p>ii. Support Line Features:</p> <ul style="list-style-type: none"> <li>• The support line must provide the user department with a ticket ID for each registered fault.</li> <li>• Feedback and updates will be provided on the maintenance and support rendered to ensure transparency and accountability.</li> </ul>	
<p>b) Emergency Call-Out Service</p> <p>i. Call-Out Fee:</p> <ul style="list-style-type: none"> <li>• A call-out fee will be charged for emergency work within 2 hours of the request.</li> <li>• The response time ensures prompt action to address critical issues as quickly as possible.</li> </ul>	
<p>c) Install, Maintenance, Repairs, Upgrading and Labour</p> <p>i. Install, maintain, repair, upgrading for CCTV and LPR Cameras (Labour):</p> <ul style="list-style-type: none"> <li>• Labour charges for the installation, maintenance, repair, and upgrading of CCTV cameras and LPR cameras.</li> <li>• Includes troubleshooting, diagnosis, and fixing of all hardware or software issues that may affect performance.</li> </ul> <p>ii. Install, maintain, repair, and upgrading of Fiber (Labour):</p>	

<p>PRINT NAME:</p>			
<p>CAPACITY:</p>		<p>Name of firm</p>	
<p>SIGNATURE:</p>		<p>DATE:</p>	



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MAINTENANCE, REPAIRS, EMERGENCY CALL-OUTS, LABOUR, UPGRADES	COMPLIANCE Yes/No
<ul style="list-style-type: none"> <li>• Labour charges for fiber optic cable installation, maintenance, repairs, and upgrading.</li> <li>• Includes inspection, troubleshooting, and re-termination or replacement of damaged fiber.</li> <li>iii. Install, maintain, repair, upgrading of Servers (Labour):                             <ul style="list-style-type: none"> <li>• Labour charges for the installation, maintenance, repairs, and upgrading of servers associated with CCTV, LPR, or related systems.</li> <li>• Includes regular checks, troubleshooting, software updates, and hardware maintenance to ensure optimal performance.</li> </ul> </li> </ul>	

PRINT NAME:			
CAPACITY:		Name of firm	
SIGNATURE:		DATE:	



**17. PRE-QUALIFICATION SCORE SHEET**

**7. PRE-QUALIFICATION**

Bidders are required to complete the pre-qualification section when submitting their returned bid documents

**Criteria 1:**

Bidders are required to indicate a minimum of 3 completed projects of relevant experience in the supply, delivery, installation and maintenance of CCTV/LPR cameras including LPR cloud services and supply, delivery, and installation of body worn cameras. Reference letters will be sufficient proof and must be submitted with the return bid documents.

Company	Reference Person and Contact Details	Scope of Work	Value Contract of	Contract Period

**Criteria 2:**

The required certifications must be included in the return bid submission. Failure to attach the certification in their return bids will result in disqualification and the bid deemed as **non-responsive**.

Certification Required	Included Yes/No
Private Security Industry Regulatory Authority (PSIRA) certification for the installation of CCTV	
The tenderer must be a currently approved partner or distributor of the original equipment manufacturer(s) of the equipment and must supply a Confirmation Letter from the OEM.	
Bidders are required to submit latest valid Certified Training Certificate along with letter of support from the original manufacturer.	
Technician CCTV and/or LPR installers certification to be supplied with return bid documents (qualifications listed on CV not recommended).	

SIGNATURE (Bidder)		FOR OFFICE USE ONLY:	
CAPACITY		Evaluated by	
NAME OF FIRM		Signature:	
NAME (PRINT)		Designation:	
DATE		Date:	



**18. SCHEDULE OF PLANT AND EQUIPMENT**

The following are lists of major items of relevant equipment that I/we **presently** own or lease and will have available for this contract or will acquire or hire for this contract if my / our tender is accepted.

DETAILS OF MAJOR EQUIPMENT THAT IS OWNED BY AND IMMEDIATELY AVAILABLE FOR THIS CONTRACT.			
QUANTITY	DESCRIPTION	SIZE	CAPACITY

Attach additional pages if mores space is required.

DETAIL OF MAJOR EQUIPMENT THAT WILL BE HIRED, ORE ACQUIRED FOR THIS CONTRACT IF MY / OUR TENDER IS ACCEPTED.			
QUANTITY	DESCRIPTION,	SIZE	CAPACITY

Attach additional pages if mores space is required.

Number of sheets appended by the tenderer to this schedule ( <i>If nil, enter NIL</i> )	
---	--

SIGNATURE		NAME (PRINT)	
CAPACITY		DATE	
NAME OF FIRM			



**19. SCHEDULE OF SUBCONTRACTORS**

I/we the tenderer, notify the Stellenbosch Municipality that it is our intention to employ the following Subcontractors for work in this contract.

SUBCONTRACTORS				
Category / Type	Subcontractor Name; Address; Contact Person; Tel. No.		Items of work (pay items) to be undertaken by the Subcontractor	Estimated cost of Work (Rand)
1.	Name of firm			
	Contact person			
	Tel No			
	Address			
2.	Name of firm			
	Contact person			
	Tel No			
	Address			
3.	Name of firm			
	Contact person			
	Tel No			
	Address			
4.	Name of firm			
	Contact person			
	Tel No			
	Address			
5.	Name of firm			
	Contact person			
	Tel No			
	Address			
Number of sheets appended by the tenderer to this schedule ( <i>If nil, enter <b>NIL</b></i> )				

Acceptance of this tender shall not be construed as approval of all or any of the listed subcontractors. Should any of the subcontractors not be approved subsequent to acceptance of the tender, this shall in no way invalidate this tender, and the tendered unit rates for the various items of work shall remain final and binding, even in the event of a subcontractor not listed above being approved by the Engineer.

SIGNATURE		NAME (PRINT)	
CAPACITY		DATE	
NAME OF FIRM			



**20. SCHEDULE OF WORK EXPERIENCE OF THE TENDERER – CURRENT CONTRACTS**

EMPLOYER (Name, Tel, Email)		NATURE OF WORK	VALUE OF WORK (INCL. VAT)	CONTRACT PERIOD
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Company				
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Email				

Attach additional pages if more space is required.

Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)			
SIGNATURE		NAME (PRINT)	
CAPACITY		DATE	
NAME OF FIRM			





<b>21. SCHEDULE OF WORK EXPERIENCE OF THE TENDERER – COMPLETED CONTRACTS</b>
--

The following is a statement of similar work successfully executed by myself / ourselves:

EMPLOYER (Name, Tel, Fax, Email)		NATURE OF WORK	VALUE OF WORK (INCL. VAT)	CONTRACT PERIOD
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Email				
Company				From
Tel				To
Contact Person				
Email				

Attach additional pages if more space is required.

Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)	
--	--

SIGNATURE		NAME (PRINT)	
CAPACITY		DATE	
NAME OF FIRM			



**22. CERTIFICATE OF REGISTRATION WITH CIDB**

**CIDB Contractor Registration Certificate**

A Certificate of Contractors Registration issued by the Construction Industry Development Board (CIDB) shall be attached to this schedule.

Where a tenderer satisfies CIDB Contractor Grading designation requirements through joint venture formation, such tenderers must submit the Certificates of Contractor Registration in respect of each partner.

Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)		
CRS Number:		

SIGNATURE		NAME (PRINT)	
CAPACITY		DATE	
NAME OF FIRM			



**23. FORM OF OFFER AND ACCEPTANCE**

**NOTE:**

1. This form must be completed in duplicate by both the successful bidder (Part 1) and the purchaser (Part 2). Both forms must be signed in the original so that the successful bidder and the purchaser will be in possession of originally signed contracts for their respective records.
2. NO correction fluid/tape may be used.
  - a. In the event of a mistake having been made, it shall be crossed out in ink and be accompanied by an initial at each and every alteration.
3. The Bidder MUST indicate whether he/she/the entity is a registered VAT Vendor or not.
  - a. In the case of the Bidder not being a registered VAT Vendor, both columns (amount/rate excluding AND including VAT) must reflect the same amount.

Are you/is the firm a registered VAT Vendor	INDICATE WITH AN 'X'			
	YES		NO	
If "YES", please provide VAT number				

**1. OFFER**

- 1.1. The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works: **B/SM: 96/25**
- 1.2. The tenderer, identified in the Offer signature block, has examined the draft contract as listed in the Acceptance section and agreed to provide this Offer.
- 1.3. By the representative of the Tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the Tenderer offers to perform all of the obligations and liabilities of the **Employer** under the contract, including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VAT IS:	
In figures:	R
In words:	

- 1.4. This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the Tender Data, whereupon the Tenderer becomes the party named as the **Contractor** in the conditions of contract identified in the Contract Data.

Signature(s)		
Name(s)		
Capacity		
Name of tenderer:		
Name of witness:	<i>(Insert name and address of organisation)</i>	Date
Signature of witness:		



**2. ACCEPTANCE**

- 2.1. By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the conditions of contract identified in the Contract Data. Acceptance of the tenderer's Offer shall form an agreement between the Employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.
- 2.2. Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.
- 2.3. It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

Signature(s):		
Name(s):		
Capacity:		
<b>For the Employer:</b>	<b>Stellenbosch Municipality, Plein Street, Stellenbosch</b>	
Name of witness:		Date:
Signature of witness:		



**24. PRICING SCHEDULE**

- NOTE:**
1. Only firm prices will be accepted. Non-firm prices will not be considered.
  2. All delivery costs **MUST** be included in the bid price, for delivery at the prescribed destination.
  3. Document **MUST** be completed in non-erasable black ink.
  4. **NO** correction fluid/tape may be used.
    - a. In the event of a mistake having been made, it shall be crossed out in ink and be accompanied by an initial at each and every alteration.
  5. The Bidder **MUST** indicate whether he/she/the entity is a registered VAT Vendor or not.

I / We \_\_\_\_\_ (full name of Bidder) the undersigned in my capacity as \_\_\_\_\_ of the firm \_\_\_\_\_ hereby offer to Stellenbosch Municipality to render the services as described, in accordance with the specification and conditions of contract to the entire satisfaction of the Stellenbosch Municipality and subject to the conditions of tender, for the amounts indicated hereunder:

	INDICATE WITH AN 'X'			
	YES		NO	
<b>Are you/is the firm a registered VAT Vendor</b>				
<b>If "YES", please provide VAT number</b>				

**Please note the following:**

1. Stellenbosch Municipality reserves the right to adjust the scope of work/ quantity required to stay within its budget.
2. Only firm prices will be accepted and non-firm prices will not be considered.



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## PRICING SCHEDULE

### Conditions:

#### 1. Pricing for Evaluation Purposes Only

- a) Rates Submission: The pricing provided in this section is for evaluation purposes only and will be used solely to assess the cost competitiveness of your proposal.
- b) No Contractual Obligation: These rates are indicative and are not legally binding until a contract is awarded and a formal agreement is signed.
- c) No upfront payments will be made. The appointed service provider is responsible for carrying the cost of all procurements, labor, parts, services, maintenance etc.
- d) All completed jobs must be accompanied with a signed inspection sheet from the representative inspector of the relevant department, together with an invoice that corresponds with the signed inspection sheet. No payments will be made if the required items do not meet.



**SECTION A – CAMERAS**

Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
A1	Indoor Camera – Dome	1	R	R	R
A2	Indoor Camera – Bullet	1	R	R	R
A3	Indoor Camera – PTZ	1	R	R	R
A4	Outdoor Camera – Dome	1	R	R	R
A5	Outdoor Camera – Bullet	1	R	R	R
A6	Outdoor Camera – PTZ	1	R	R	R
A7	Outdoor Camera – 360° Fisheye IP Camera	1	R	R	R
A8	Specialized Camera – License Plate Recognition (LPR)	1	R	R	R
A9	Specialized Camera – Thermal	1	R	R	R
A10	Specialized Camera – Shot Detection	1	R	R	R
Sub Total (Excl. VAT)			R	R	R
15% VAT			R	R	R
Total (Incl. VAT)			R	R	R





**SECTION B – NETWORK VIDEO RECORDS (NVR)**

Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
B1	NVR Type 1	1	R	R	R
B2	2U Rackmount Kit	1	R	R	R
B3	24U Server Rack	1	R	R	R
B4	High-Performance NVR System	1	R	R	R
B5	19-Inch 2U NVR Rackmount Kit	1	R	R	R
B6	19-Inch 3U NVR Rackmount Kit	1	R	R	R
B7	42U Server Rack	1	R	R	R
Sub Total (Excl. VAT)			R	R	R
15% VAT			R	R	R
Total (Incl. VAT)			R	R	R



**SECTION C – VIDEO MANAGEMENT SOFTWARE, SUBSCRIPTION FEES, AND CAMERA LICENSES**

Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
C1	Video Management Software	1	R	R	R
C2	VMS Enterprise License	1	R	R	R
C3	Indoor Standard Camera License	1	R	R	R
C4	Outdoor Standard Camera License	1	R	R	R
C5	LPR Camera License	1	R	R	R
C6	Thermal Camera License	1	R	R	R
C7	Shot Detection Camera License	1	R	R	R
C8	AI-Powered Video Analytics License	1	R	R	R
C9	Video Analytics and AI Features for All Camera Types	1	R	R	R
C10	LPR API access	1	R	R	R
C11	LPR camera license per lane	1	R	R	R
C12	LPR Cloud Services Annual License Fee	1	R	R	R
C13	LPR Cloud Services Monthly Fee	1	R	R	R
Sub Total (Excl. VAT)			R	R	R
15% VAT			R	R	R
Total (Incl. VAT)			R	R	R



**SECTION D - MOUNTING HARDWARE**

Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
D1	Camera Mounting Brackets	1	R	R	R
D2	Pole Mounts and Supports	1	R	R	R
D3	Wall Mounts	1	R	R	R
D4	Ceiling Mounts (for Indoor Installations)	1	R	R	R
D5	Pole-to-Pole Mounting Systems (for PTZ or Large Cameras)	1	R	R	R
D6	Junction Boxes for Camera Mounting	1	R	R	R
D7	Vandal-Proof Mounts (for Public Areas)	1	R	R	R
D8	Pole/Camera Mounting Kits	1	R	R	R
D9	Cable Management Clips	1	R	R	R
D10	Protective Grommets	1	R	R	R
D11	Rubber Seals	1	R	R	R
D12	Lockable Housings	1	R	R	R
D13	Mounting Security Devices	1	R	R	R
Sub Total (Excl. VAT)			R	R	R
15% VAT			R	R	R
Total (Incl. VAT)			R	R	R



**SECTION E – CONTROL ROOM EQUIPMENT AND RELATED ACCESSORIES**

Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
E1	High-Resolution Monitors	1	R	R	R
E2	LED Video Wall System	1	R	R	R
E3	Video Wall Controller	1	R	R	R
E4	Video Distribution System	1	R	R	R
E5	HDMI/SDI Splitters	1	R	R	R
E6	KVM Switches	1	R	R	R
E7	Workstations (PC and Servers)	1	R	R	R
E8	Wired Mouse	1	R	R	R
E9	Wired Keyboard	1	R	R	R
E10	10TB Hard drive	1	R	R	R
E11	2TB Hard drive	1	R	R	R
E12	512GB SSD	1	R	R	R
E13	Graphics Card	1	R	R	R
E14	Ethernet Switches:	1	R	R	R
E15	Router	1	R	R	R
E16	Cat5e Cable (per meter)	1	R	R	R
E17	Cat6 Cable (per meter)	1	R	R	R
E18	Fiber Optic Cables - Single-Mode Fiber	1	R	R	R
E19	Fiber Optic Cables - Multi-Mode Fiber	1	R	R	R
E20	UPS 1500VA	1	R	R	R
E21	High Speed HDMI Cable	1	R	R	R
E22	6V Lithium Battery	1	R	R	R
E23	12V Lithium Battery	1	R	R	R
E24	24V Lithium Battery	1	R	R	R



Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
E25	Video Analytics Software (Third Party)	1	R	R	R
E26	Software License Subscription	1	R	R	R
Sub Total (Excl. VAT)			R	R	R
15% VAT			R	R	R
Total (Incl. VAT)			R	R	R

**SECTION F - POWER SUPPLY AND BACKUP SOLUTIONS**

Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
F1	Uninterruptible Power Supply (UPS) Complete	1	R	R	R
F2	Inverter (Complete Kit)	1	R	R	R
F3	Solar Power (Complete Kit)	1	R	R	R
Sub Total (Excl. VAT)			R	R	R
15% VAT			R	R	R
Total (Incl. VAT)			R	R	R



**SECTION G - ELECTRICAL & CIVIL WORKS, LABOUR, AND COC**

Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
G1	Sand	1m	R	R	R
G2	Clay	1m	R	R	R
G3	Soft soil	1m	R	R	R
G4	Medium soil (Stone sizes of up to 100mm)	1m	R	R	R
G5	Hard soil (Stone sizes of up to 600mm)	1m	R	R	R
G6	Solid rocks	1m	R	R	R
G7	Streets & sidewalks	1m	R	R	R
G8	Reinstatement: Paving	1m	R	R	R
G9	Reinstatement: Tar	1m	R	R	R
G10	Reinstatement: Concrete	1m	R	R	R
G11	Reinstatement: Gravel	1m	R	R	R
G12	Cables – 16mm x2 Core	1	R	R	R
G13	10mm square bare copper earth	1	R	R	R
G14	Copper Earthing Conductor	1	R	R	R
G15	Aluminium Earthing Conductor	1	R	R	R
G16	PVC Pipe Duct 50mm	1	R	R	R
G17	PVC Pipe Duct 75mm	1	R	R	R
G18	PVC Pipe Duct 110mm	1	R	R	R
G19	PVC Pipe Duct 160mm	1	R	R	R
G20	Laying of single mode optic cable	1	R	R	R
G21	Laying of double mode optic cable	1	R	R	R
G22	Digging: Cement/Concrete (per meter)	1	R	R	R
G23	Steel 4.5m plinth	1	R	R	R
G24	Concrete/Cement 9meter Pole	1	R	R	R



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Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
G25	12m mast on plinth	1	R	R	R
G26	Cement/Concrete 7.5meter Pole	1	R	R	R
G27	Hiring of truck (3ton required or heavier) – per hour	1	R	R	R
G28	Cherry Picker (per hour)	1	R	R	R
G29	Crane Truck (per hour)	1	R	R	R
G30	Wayleave Application Fees (per application)	1	R	R	R
Sub Total (Excl. VAT)			R	R	R
15% VAT			R	R	R
Total (Incl. VAT)			R	R	R



**SECTION H – BODY WORN CAMERAS AND ADDITIONAL ACCESSORIES**

Item No	Description	QTY	Unit Prices (Excl. VAT) over 3 Financial Year Period		
			Year 1 2025/26	Year 2 2026/27	Year 3 2027/28
H1	Motorola VB400/equivalent	1	R	R	R
H2	Video Manager Plus Camera License	1	R	R	R
H3	Motorola VB400 Solo Dock Station/equivalent	1	R	R	R
H4	Motorola VB400 14-Port Dock Station/equivalent	1	R	R	R
H5	RFID Reader	1	R	R	R
H6	RFID Card	1	R	R	R
H7	Motorola Dock Controller/equivalent	1	R	R	R
H8	Uniform Screw-On Dock for VB400	1	R	R	R
H9	Klick fast Dock Clamp for VB400	1	R	R	R
H10	Close-fit Magnetic Mount for VB400	1	R	R	R
H11	Close-fit Double MOLLE mount for VB400	1	R	R	R
H12	Klick Fast dock for MOLLE vests to securely attached body-worn camera to a MOLLE Vest	1	R	R	R
H13	External Solo Charging Cable	1	R	R	R
Sub Total (Excl. VAT)			R	R	R
15% VAT			R	R	R
Total (Incl. VAT)			R	R	R





**SECTION I – INSTALLATION, MAINTENANCE, REPAIR, UPGRADE, EMERGENCY CALL-OUTS, LABOUR**

ITEM NO	DESCRIPTION	ESTIMATE FREQUENCY	ESTIMATE TIME	Hourly Rates (Excl. VAT) over 3 Financial Year Period		
				Year 1 2025/26	Year 1 2025/26	Year 1 2025/26
I1	24-hour support on maintenance/services/repairs/call outs (includes emergency complaints) on all CCTV/LPR systems related work.	Mon-Sat (6AM – 6PM)	Per Hour	R	R	R
I2		Mon-Sat (6PM – 6AM)		R	R	R
I3		Sunday/Public Holidays (1.5x)		R	R	R
I4	24-hour support on maintenance/services/repairs/call outs (includes emergency complaints) on all Control Room Hardware and Software related work.	Mon-Sat (6AM – 6PM)	Per Hour	R	R	R
I5		Mon-Sat (6PM – 6AM)		R	R	R
I6		Sunday/Public Holidays (1.5x)		R	R	R
I7	24-hour support on maintenance/services/repairs/call outs (includes emergency complaints) on all Body Worn Cameras related work.	Mon-Sat (6AM – 6PM)	Per Hour	R	R	R
I8		Mon-Sat (6PM – 6AM)		R	R	R
I9		Sunday/Public Holidays (1.5x)		R	R	R
I10	Installations, Maintenance, Repairs, Upgrades per site (labour)	Mon-Sat (6AM – 6PM)	Per Hour	R	R	R
I11		Mon-Sat (6PM – 6AM)		R	R	R
I12		Sunday/Public Holidays (1.5x)		R	R	R
Sub Total (Excl. VAT)				R	R	R
15% VAT				R	R	R
Total (Incl. VAT)				R	R	R



**SUMMARY**

SECTION	Carried over unit price/hourly rates for each financial year		
	Year 1 2025/26	Year 1 2025/26	Year 1 2025/26
SECTION A - CAMERAS	R	R	R
SECTION B – NETWORK VIDEO RECORDS (NVR)	R	R	R
SECTION C – VIDEO MANAGEMENT SOFTWARE, SUBSCRIPTION FEES, AND CAMERA LICENSES	R	R	R
SECTION D - MOUNTING HARDWARE	R	R	R
SECTION E – CONTROL ROOM EQUIPMENT AND RELATED ACCESSORIES	R	R	R
SECTION F - POWER SUPPLY AND BACKUP SOLUTIONS	R	R	R
SECTION G - ELECTRICAL & CIVIL WORKS, LABOUR, AND COC	R	R	R
SECTION H – BODY WORN CAMERAS AND ADDITIONAL ACCESSORIES	R	R	R
SECTION I – INSTALLATION, MAINTENANCE, REPAIR, UPGRADE, EMERGENCY CALL-OUTS, LABOUR	R	R	R
Sub-Total (All 3 Financial Years Excl. VAT)	R	R	R
15% VAT	R	R	R
Total (All 3 Financial Years Incl. VAT)	R	R	R
Grand Total Summarized	R		



**25. DECLARATION BY TENDERER**

I / We acknowledge that I / we am / are fully acquainted with the contents of the conditions of tender of this tender document and that I / we accept the conditions in all respects.

I / We agree that the laws of the Republic of South Africa shall be applicable to the contract resulting from the acceptance of \*my / our tender and that I / we elect *domicillium citandi et executandi* (physical address at which legal proceedings may be instituted) in the Republic at:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I / We accept full responsibility for the proper execution and fulfillment of all obligations and conditions devolving in me / us under this agreement as the principal liable for the due fulfillment of this contract.

I / We furthermore confirm I / we satisfied myself / ourselves as to the corrections and validity of my / our tender; that the price quoted cover all the work / items specified in the tender documents and that the price(s) cover all my / our obligations under a resulting contract and that I / we accept that any mistake(s) regarding price and calculations will be at my / our risk.

I / We furthermore confirm that my / our offer remains binding upon me / us and open for acceptance by the Purchases / Employer during the validity period indicated and calculated from the closing date of the bid.

SIGNATURE		NAME (PRINT)	
CAPACITY		DATE	
NAME OF FIRM			
WITNESS 1		WITNESS 2	