

DCI/HR/Elect/CC Camera/2020

Date: 02.07.2020

To

Dear Sir,

Sub:- Supply, installation, testing and commissioning of IP Video Surveillance System at DCI, New Building at HB Colony, Seethammadhara, Vsp- Reg

Dredging Corporation of India Limited intends to provide IP Video Surveillance System at their new Administrative Office Building at H.B.Colony, Seethammadhara, Vsp.

Interested reputed parties who are authorised by the respective manufacturers are requested to obtain the tenders documents by paying an amount of Rs 270.00 (Rupees Two Hundred Seventy only) online in DCI account as per the details given below towards the cost of tender documents. The payment details made online may be forwarded to email [treasury@dcil.co.in](mailto:treasury@dcil.co.in) and confirmation to be obtained. The tender documents may be obtained from the under signed from 02.07.2020 to 13.07.2020.

The detailed tender documents are hosted in the website [www.eprocurement.gov.in](http://www.eprocurement.gov.in) , and [www.dredge-india.com](http://www.dredge-india.com) .You may also down load the tender document from the above websites for participation in the tender by paying an amount of Rs 270.00 online in DCI account towards the cost of tender documents (non-refundable) along with the tender, without which the tender documents will be summarily rejected.

DCI Bank Details:

Name of the Bank : Syndicate Bank

Branch : DCI Branch, Dredge House, Port Area, Visakhapatnam- 01

IFSC Code : SYNB0003583

Current Account No : 35833070000014

Thanking you,

Yours faithfully,

For Dredging Corporation of India Ltd

HOD (HR)

Signature of the Tenderer with seal

Ph. No.:0891-2523250 /2871234

Fax: 91-891-2560581, 2565920

**DREDGING CORPORATION OF INDIA LIMITED**

H.B COLONY MAIN ROAD,

SEETHAMMADHARA

**VISAKHAPATNAM - 530022**

Ref.No. DCI/HR/06/E/CC Camera/2020/

Dated: 02.07.2020

Dear Sirs,

Sealed Tenders in two bid system (Technical Bid and Price Bid) are invited from reputed manufacturers / authorized dealers for supply, installation, testing and commissioning of IP Video Surveillance System at our New Administrative Office Building, H.B Colony Main Road, Seethammadhara, Visakhapatnam-22. The tender documents containing in Section - I to Section-V are as under.

Section-I	Tender
Section-II	Scope of Work/Technical Specifications
Section-III	General Conditions of Contract
Section-IV	Special Conditions
Section-V	Bill of Quantities

02. Tenderers are requested to go through the tender documents carefully before quoting their rates.
03. Tenderers must sign on each and every page of the tender in token of acceptance of the conditions of the Tender.
04. Tenderers are requested to submit their bid in a sealed cover on or before 1500 hrs on 14.07.2020
06. The Technical Bid covers will be opened on 14.07.2020 at 1530 hrs. in the presence of such Tenderers / their Authorised representatives who are present at that time.

Thanking you,

Yours faithfully,

For Dredging Corporation of India Limited.,

HOD (HR)

Encl: As above

Signature of the Tenderer with seal

**SECTION – I**

**TENDER**

M/s. Dredging Corporation of India Limited is desirous of installing IP Video Surveillance System at their Administrative Office Building , H.B Colony Main Road ,Seethammadhara, Visakhapatnam-22. The details with regard to Security Deposit, Period of Contract, etc., as indicated in the following Memorandum

**MEMORANDUM**

- i) Name of Work : Supply, installation, testing and commissioning IP Video Surveillance System at their Administrative Office Building, H.B Colony Main Road, Seethammadhara, Visakhapatnam-22.
- ii) Cost of Tender Documents : Rs270.00 (Rupees two hundred seventy only)
- iii) EMD : Rs.7,500.00 ( Rupees seven thousand five hundred only )
- iv) Security Deposit : 5% on the value of the work. The S.D shall be submitted only after opening of the tender and if you are L-1 and before placing the order.
- v) Period of contract : 90 days from the date of receipt of purchase order.
- vi) Issue of Tender Documents : From 02.07.2020 to 13.07.2020 on all working days
- vii) Last date for Receipt of Tenders : Up to 1500 hrs. on 14.07.2020
- viii) Date & Time of Opening of Technical Bids : at 1530 hrs. on 14.07.2020

2. Should this tender be accepted, I/We here by agree to abide by and fulfil the terms and conditions and other provisions contained in the tender documents, Tender (Section-I), Scope of work (Section-II), General Conditions of contract (Section-III), Special Conditions (Section-IV), Bill of Quantities (Section-V).have been read by me/us read and explained to me/us so far as they are applicable.

SIGNATURE OF THE TENDERER WITH SEAL

Signature of the Tenderer with seal

3. In default of any of these conditions, I/We agree to set off the extra cost if any, for carrying out the work at my/our risk and cost against the Security Deposit available with the Dredging Corporation of India Limited, or its successors and to pay the DCI or its successors on demand as debt due any amount required to meet the extra cost of carrying out the work over and above Security Deposit furnished by me/us.
  
4. I/We hereby confirm having read and understood all the terms and conditions of the tender and abide by these terms and conditions.

Signature of the Tenderer  
(at the time of submission  
of tender) with Seal

Date  
day of  
2020

Signature of the Witness  
to the Contractor's  
Signature

Witness:  
Address :  
Occupation:

SIGNATURE OF THE TENDERER WITH SEAL

Signature of the Tenderer with seal

SECTION-IIScope of Work & Technical Specifications

- 01 Supply, installation, testing and commissioning of IP Video Surveillance System at their Administrative Office Building, H.B Colony Main Road, Seethammadhara, Visakhapatnam-22.
- 02 Removing of 08 Nos. of CC Cameras from our old office at Port Area and re installing the same at our new building.
- 03 All the works as mentioned in the Bill of Quantities shall be carried out as per the standard BIS norms .
04. Vendor should have office in Visakhapatnam for service support
05. Camera & NVR should be make in India & made in India (required document should be Submitted)  
R&D and manufacturing unit should be available in INDIA only (required document should be available)
06. Cameras OEM authorization Letter to be submitted
07. After Warranty, 5 years product life certificate from Camera manufacturer to be submitted

## Technical Specifications

**2MP DOME CAMERA**

S.No	Parameter	Specifications	COMPLAINECE	Make/Model
1	<b>Image Sensor</b>	1/2.8" Progressive Scan, Backlight illuminated with Starlight Technology CMOS Sensor  Note: The bidder must state the Make and model of the sensor to ensure the authenticity of the component. the bid would be disqualified if the sensor used is not as mentioned by the bidder		
2	<b>Supported resolutions</b>	1920 x 1080, 720p,D1,2CIF,CIF,QCIF		
3	<b>Video Compression</b>	H.265 H.264 MJPEG		
4	<b>Video Standard</b>	PAL		
5	<b>Number of Streaming profiles support</b>	Four streams support Profile 1:- 1080p(2MP)/720p/D1/2CIF/CIF/QCIF upto 30 fps(H.265/H.264) Profile 2:- D1/2CIF/CIF/QCIF upto 30fps(H.265/H.264) Profile 3:- 1080p(2MP)/720p/D1/2CIF/CIF/QCIF upto 5 fps(MJPEG) Profile 4:- 720p/D1/2CIF/CIF/QCIF upto 30 fps(H.265/H.264/MJPEG)		

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7	<b>Adaptive streaming</b>	Constant bitrate(CBR) , Variable Bitrate(VBR), it shall be configurable from the UI		
8	<b>Unicasting/ Multicasting</b>	Support of Unicasting and Multicasting shall be provided		
9	<b>Frame Rate (FPS)</b>	1-30		
10	<b>Shutter speed</b>	1/25-1/34000		
11	<b>Minimum Illumination</b>	Colour - 0.01 Lux @( F1.2 AGC ON) Monochrome - 0 Lux		
12	<b>Signal to Noise Ratio (SNR)</b>	71db		
13	<b>Lens focal length</b>	3.6mm		
14	<b>Built In IR irradiance upto</b>	30mtrs		
15	<b>Day/Night Camera Switching</b>	Camera shall switch from day to night mode automatically or manually and vice versa		
16	<b>Activity Controlled Video Recording</b>	Camera shall start recording in case of Motion/No Motion, Tripwire, Intrusion, Alarm In/Out to save the storage and network bandwidth		
17	<b>Network Failure recording</b>	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrieved back when the network connectivity restores		
18	<b>No requirement of Static IP for the Camera</b>	The camera shall connect to the Video Management Software(VMS) or Network Video recorder(NVR) without any need of Static IP to the Camera in LAN as well as WAN.		
19	<b>Edge Storage</b>	SD Card - 512 GB NAS		
20	<b>Network Connectivity</b>	10Base-T/100BaseTX Ethernet (RJ-45)		
21	<b>Supported Network Protocols</b>	TCP/IP, HTTP, HTTPS, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, HTTPS, , TLS/SSL, FTP, ICMP, IGMP,		
22	<b>Video Content Analytics (VCA)</b>	Motion detection, View Tamper Detection, Tripwire detection, object Intrusion		
23	<b>Back light Compensation (BLC)</b>	Required		
24	<b>Wide Dynamic Range (WDR)</b>	120 dB		
25	<b>Image Enhancement</b>	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/ Gamma /White balance/ HVS & Forensic, Intelligent Defog		
26	<b>Noise Reduction</b>	2 DNR, 3 DNR		

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27	<b>Audio Input/ Output</b>	-		
28	<b>Audio Communication</b>	-		
29	<b>Alarm Inputs / outputs</b>	-		
30	<b>Power</b>	POE (802.3af/at), 12 V 2A		
31	<b>Operating Temperature</b>	-20°C- +50°C		
32	<b>Storage Temperature</b>	-20°C- +50°C		
33	<b>Operating Humidity</b>	90% or less		
34	<b>Ingress Protection</b>	IS/IEC 60529:2001		
35	<b>Impact protection</b>	Yes (IEC62262:2002)		
36	<b>MAC Address</b>	The Mac Address of the Camera shall be registered in the name of the OEM		
37	<b>ONVIF Compliance</b>	Both S & G, The IPCamera make and model shall appear on the ONVIF Conformant products List		
38	<b>Regulatory Approvals/ Certifications :</b>	FCC Part 15 Subpart B (Class B), EMC- EN 55032: 2015; EN 55024: 2010+A1:2015 EN 61000-3-2: 2014; EN 61000-3-3: 2013, IK10 as per IEC62262:2002, IP66 as per IS/IEC 60529:2001, BIS, Temperature test as per IEC 60068-2-1-2007  Note: All the reports and certificates shall be from a NABL accredited Lab		
39	<b>Plug and Play</b>	The IPCAM shall get connected to the destined NVR/VMS when plugged in the network with adding from NVR or VMS		

**2MP BULLET CAMERA**

S.No	Parameter	Specifications	COMPLAINCE	Make/Model
1	<b>Image Sensor</b>	1/2.8" Progressive Scan, Backlight illuminated with Starlight Technology CMOS Sensor  Note: The bidder must state the Make and model of the sensor to ensure the authenticity of the component. the bid would be disqualified if the sensor used is not as mentioned by the bidder		

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2	<b>Supported resolutions</b>	1920 x 1080, 720p,D1,2CIF,CIF,QCIF		
3	<b>Video Compression</b>	H.265 H.264 MJPEG		
4	<b>Video Standard</b>	PAL		
5	<b>Number of Streaming profiles support</b>	Four Profiles support Profile 1:- 1080p(2MP)/720p/D1/2CIF/CIF/QCIF upto 30 fps(H.265/H.264) Profile 2:- D1/2CIF/CIF/QCIF upto 30fps(H.265/H.264) Profile 3:- 1080p(2MP)/720p/D1/2CIF/CIF/QCIF upto 5 fps(MJPEG) Profile 4:- 720p/D1/2CIF/CIF/QCIF upto 30 fps(H.265/H.264/MJPEG)		
6	<b>Bitrate</b>	128 kbps-8Mbps		
7	<b>Adaptive streaming</b>	Constant bitrate(CBR) , Variable Bitrate(VBR), it shall be configurable from the UI		
8	<b>Unicasting/Multicasting</b>	Support of Unicasting and Multicasting shall be provided		
9	<b>Frame Rate (FPS)</b>	1-30		
10	<b>Shutter speed</b>	1/25-1/34000		
11	<b>Minimum Illumination</b>	Colour - 0.01 Lux @( F1.2 AGC ON) Monochrome - 0 Lux		
12	<b>Signal to Noise Ratio (SNR)</b>	71db		
13	<b>Lens focal length</b>	6mm		
14	<b>Built In IR irradiance upto</b>	50m		
15	<b>Day/Night Camera Switching</b>	Camera shall swith from day to night mode automatically or manually and vice versa		
16	<b>Activity Controlled Video Recording</b>	Camera shall start recording in case of Motion/No Motion, Tripwire, Intrusion, Alarm In/Out to save the storage and network bandwidth		
17	<b>Network Failure recording</b>	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrived back when the network connectivity restores		
18	<b>No requirement of Static IP for the Camera</b>	The camera shall connect to the Video Management Software(VMS) or Network Video recorder(NVR) with out any need of Static IP to the Camera in LAN as well as WAN.		
19	<b>Edge Storage</b>	SD Card - 512 GB NAS		
20	<b>Network Connectivity</b>	10Base-T/100BaseTX Ethernet (RJ-45)		
21	<b>Supported</b>	TCP/IP, HTTP, HTTPS, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP,		

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	<b>Network Protocols</b>	RTSP, PPPOE, SMTP, NTP, HTTPS, , TLS/SSL, FTP, ICMP, IGMP, ARP, UDP, 802.1x, SNMP		
22	<b>Video Content Analytics (VCA)</b>	Motion detection, View Tamper Detection, Tripwire detection, object Intrusion		
23	<b>Back light Compensation (BLC)</b>	Required		
24	<b>Wide Dynamic Range (WDR)</b>	120 dB		
25	<b>Image Enhancement</b>	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/ Gamma /White balance/ HVS & Forensic, Intelligent Defog		
26	<b>Noise Reduction</b>	2 DNR, 3 DNR		
27	<b>Audio Input/ Output</b>	-		
28	<b>Audio Communication</b>	-		
29	<b>Alarm Inputs / outputs</b>	-		
30	<b>Power</b>	POE (802.3af/at), 12 V 2A		
31	<b>Operating Temperature</b>	-20°C- +50°C		
32	<b>Storage Temperature</b>	-20°C- +50°C		
33	<b>Operating Humidity</b>	90% or less		
34	<b>Ingress Protection</b>	Yes, as perIS/IEC 60529:2001		
35	<b>Impact protection</b>	Yes as per IEC62262:2002		
36	<b>MAC Address</b>	The Mac Address of the Camera shall be registered in the name of the OEM		
37	<b>ONVIF Compliance</b>	Both S & G, The IPCamera make and model shall appear on the ONVIF Conformant products List		
38	<b>Regulatory Approvals/ Certifications :</b>	FCC Part 15 Subpart B (Class B), EMC- EN 55032: 2015; EN 55024: 2010+A1:2015 EN 61000-3-2: 2014; EN 61000-3-3: 2013, IK10 as per IEC62262:2002, IP66 as per IS/IEC 60529:2001, BIS, Temperature test as per IEC 60068-2-1-2007  Note: All the reports and certificates shall be from a NABL accredited Lab		
39	<b>Plug and Play</b>	The IPCAM shall get connected to the destined NVR/VMS when plugged in the network with adding from NVR or VMS		

Signature of the Tenderer with seal

SIGNATURE OF THE TENDERER WITH SEAL

**2 MP MOTORIZED BULLET CAMERAS**

S.No	Parameter	Specifications	COMPLAINCE	Make/Model
1	<b>Image Sensor</b>	1/2.8" Progressive Scan, Backlight illuminated with Starlight Technoogy CMOS Sensor  Note: The bidder must state the Make and model of the sensor to ensure the authenticity of the component. the bid would be disqualified if the sensor used is not as mentioned by the bidder		
2	<b>Supported resolutions</b>	1920 x 1080, 720p,D1,2CIF,CIF,QCIF		
3	<b>Video Compression</b>	H.265 H.264 MJPEG		
4	<b>Video Standard</b>	PAL		
5	<b>Number of Streaming profiles support</b>	Four profiles support Profile 1:- 1080p(2MP)/720p/D1/2CIF/CIF/QCIF upto 30 fps(H.265/H.264) Profile 2:- D1/2CIF/CIF/QCIF upto 30fps(H.265/H.264) Profile 3:- 1080p(2MP)/720p/D1/2CIF/CIF/QCIF upto 5 fps(MJPEG) Profile 4:- 720p/D1/2CIF/CIF/QCIF upto 30 fps(H.265/H.264/MJPEG)		
6	<b>Bitrate</b>	128 kbps-8Mbps		
7	<b>Adaptive streaming</b>	Constant bitrate(CBR) , Variable Bitrate(VBR), it shall be configurable from the UI		
8	<b>Unicasting/ Multicasting</b>	Support of Unicasting and Musticasting shall be provided		
9	<b>Frame Rate (FPS)</b>	1-30fps		
10	<b>Shutter speed</b>	1/25-1/34000		
11	<b>Minimum Illumination</b>	Colour - 0.01 Lux @( F1.2 AGC ON) Monochrome - 0 Lux		
12	<b>Signal to Noise Ratio (SNR)</b>	71Db		
13	<b>Lens focal length</b>	2.8mm-12mm		

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14	<b>Built In IR irradiance upto</b>	50m		
15	<b>Day/Night Camera Switching</b>	Camera shall swith from day to night mode automatically or manually and vice versa		
16	<b>Activity Controlled Video Recording</b>	Camera shall start recording in case of Motion/No Motion, Tripwire, Intrusion, Alarm In/Out to save the storage and network bandwidth		
17	<b>Network Failure recording</b>	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrived back when the network connectivity restores		
18	<b>No requirement of Static IP for the Camera</b>	The camera shall connect to the Video Management Software(VMS) or Network Video recorder(NVR) with out any need of Static IP to the Camera in LAN as well as WAN.		
19	<b>Edge Storage</b>	SD Card - 512 GB NAS		
20	<b>Network Connectivity</b>	10Base-T/100BaseTX Ethernet (RJ-45)		
21	<b>Supported Network Protocols</b>	SD,NAS,FTP		
22	<b>Video Content Analytics (VCA)</b>	Motion detection, View Tamper Detection, Tripwire detection, object Intrusion		
23	<b>Back light Compensation (BLC)</b>	Required		
24	<b>Wide Dynamic Range (WDR)</b>	120 dB		
25	<b>Image Enhancement</b>	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/ Gamma /White balance/ HVS & Forensic, Intelligent Defog		
26	<b>Noise Reduction</b>	2 DNR, 3 DNR		
27	<b>Audio Input/ Output</b>	1 Audio In,1 Audio Out		
28	<b>Audio Communication</b>	Two Way Audio Full Duplex with G711 and G726 compression		
29	<b>Alarm Inputs / outputs</b>	1 Alarm In,1 Alarm Out		
30	<b>Power</b>	POE (802.3af/at), 12 V 2A		
31	<b>Operating Temperature</b>	802.3af		
32	<b>Storage Temperature</b>	7.5W		
33	<b>Operating Humidity</b>	12 V		
34	<b>Ingress Protection</b>	Yes, as per IS/IEC 60529:2001		

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35	<b>Impact protection</b>	Yes as per IEC62262:2002		
36	<b>MAC Address</b>	The Mac Address of the Camera shall be registered in the name of the OEM		
37	<b>ONVIF Compliance</b>	Both S & G, The IPCamera make and model shall appear on the ONVIF Conformant products List		
38	<b>Regulatory Approvals/ Certifications :</b>	FCC Part 15 Subpart B (Class B), EMC- EN 55032: 2015; EN 55024: 2010+A1:2015 EN 61000-3-2: 2014; EN 61000-3-3: 2013, IK10 as per IEC62262:2002, IP66 as per IS/IEC 60529:2001, BIS, UL Temperature test as per IEC 60068-2-1-2007  Note: All the reports and certificates shall be from a NABL accredited Lab		
39	<b>Plug and Play</b>	Yes, as per IS/IEC 60529:2001		

**32CH NETWORK VIDEO RECORDER**

	<b>SPECIFICATIONS</b>	<b>COMPLAINCE</b>	<b>Maake/Model</b>
	<b>HARDWARE</b>		
01	The Equipment Shall Be Electronic Type		
02	The Device Shall Be Plug And Play System		
03	The Device Should Work Either In Standalone Or Network Mode		
04	Remote NVR Should Be Viewed From Local View		
05	The Device Should Be Designed, Developed and Manufactured In India		
06	NVR should support 3G connectivity via a USB based 3G dongle		
07	The system Must be capable of integrating at Data Base level with Biometric access control system and other sensors.		
08	<b>SOFTWARE SPECIFICATIONS</b>		
09	Device must have inbuilt storage calculator which shows how much day we will be able to record		
10	Device Should Have Auto configuration Funtion which connects all the camera connected in the LAN to the devices one by one Automatically of manufacturer's brand only		
	Device must be capable of taking Snapshot action with integrated Biometric Access control and time attendance system		
11	<b>VIDEO</b>		
12	The system should support up to 32 IP Channels		
13	The Device Should Support HDMI (2.0) – 1 Port		
14	The Device Should Support H.265/H.264/ Motion JPEG Video Compression Technique		
	<b>AUDIO</b>		
15	The System Should Work on Audio Compression Standards Which is		

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	G.711, G.726 and PCM		
	<b>THROUGHPUT</b>		
16	Device Should Support Throughput of 512Mbps(256Mbps Downlink & 256Mbps Uplink)		
17	Device Should Allow 9+1(Admin) Simultaneous Log-in		
	<b>DISPLAY</b>		
18	Split (Through LAN/HDMI): 1x1, 2x2, 3x3, 4x4, 1+5, 1+7, 3+4, 2+8, 1+12, 1@+12, 1+9, 4+9,2+12, 5x5, 6x6, 8x8 and Sequential		
19	Resolution: 4 x 4k/16 x 1080P/64 x D1		
20	Digital Zoom during live view		
21	The system should be able to take a Snapshot in JPEG format		
22	The Device should be capable of cascadingwith(1 Master + 19 Slave) the other same number of channel NVR/HVR or even with the lesser number too.		
23	With the Cascading feature device should be capable of acting as a Master device and should be able to View/Playback/Configure other connected slave devices camera from the Local View(via HDMI/VGA/CVBS)		
24	It Should Provide an On-Screen Display of Channel Number and Name, Status, Video Loss, Recording and Disabled Channel (As per camera support)		
25	It Must Provide Snapshot During Monitoring		
26	It Must Support User Defined Layout Styles		
27	It Must Provide User Selectable Display Sequence		
	<b>RECORDING</b>		
28	The Device Should Provide An Image Resolution of 12MP, 8MP, 5MP,3MP, 2MP, 1080P, D1, CIF		
29	NVR Should Be Capable Of Pre-Recording Up to 30 Sec		
30	NVR Should Be Capable Of Post-Recording For 10-300 Sec		
31	NVR Should Support Camera Wise Recording Retention		
32	The System Should Have Various Recording Modes Such as Manual Recording , Continuous Recording , Scheduled Recording, Motion Recording and Alarm Recording		
33	Device Must be Capable of Recording Camera Wise as per the proirity of Camera		
	<b>STORAGE AND BANDWIDTH OPTIMIZATION</b>		
34	Device Must Support Adaptive Recording Feature which Automatically Adjusts Frame Parameters Based on Motion in Scene to Save Storage on Recording		
35	Device must Automatically Adapt Optimized Resolution on Local Display through HDMI To Optimize Bandwidth		
	<b>PLAYBACK AND BACKUP</b>		
36	The Device Must Have Various Search Modes Like: Date and Time, Channel, Recording Type should be available in the system		
37	The Device Must Have Various Playback Modes Like: Fast Reverse, Fast Forward, Slow Forward, Previous Video, Next Video, Different Speed Control Should Be Supported By The System		

38	The Device Must Provide Manual Backup Over USB, NAS/FTP		
39	The Device Must Support Scheduled Backup Over USB, NAS/FTP		
40	The Device Must Provide Configuration Backup		
41	Network Supported Protocols with Device Shall Be TCP/IP, DHCP, PPPOE, DDNS, DNS, FTP, SMTP, NTP, RTP, RTSP, HTTP and CIFS		
	Remote Operations Must Include Monitoring , PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade		
42	Synchronous Playback of Upto 4 Channels		
43	Timeline Based Search From Local As Well As Web Client		
44	The Device Should Have Facility of Live or Remote Playback		
45	It Should Have its Own Free DNS Server		
46	Scheduling should be every 6 hours, 12 hours, 24 hours or weekly		
47	Backup fail Event to inform User that Schedule Backup is Stopped for any reason		
	<b>EVENTS AND ACTION</b>		
48	The Device Must Include Trigger Events Like :Motion Detection, View Tampering, Connection Failure, Recording Failure, Manual Trigger, On Boot Alarm, Storage Alert, Disk Volume Full, Disk Fault, Scheduled Backup Fail		
49	Actions: Recording on Selected Channel, FTP/Email server, Email Notification with Snapshot, TCP Notification, Recall PTZ Preset Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification, Calling from Mobile App		
50	Should Support SMS Using Network With Services Like SMS Gateway Centre, SMS Lane, Business SMS and Bulk SMS		
51	Video pop-up for both Device and Local client		
52	Pop-up event for recording stop due to any reason.		
53	Device must be capable of capturing the Image action guided by the Biometric access control or time attendance system.		
	<b>STORAGE INTERFACE</b>		
54	The System Should Be Capable Of Storing Data on 2 SATA Hard Disk With Upto 10TB Per Disk		
55	The Device Must Support Storage on 2 Network-Attached Storage(NAS)		
56	The Device Must Support 1TB USB Drive		
57	NVR Should Support RAID-0, RAID-1		
58	The Device Must be Capable of Recording Videos for DifferntNuber of Days as Per the Proirity of Camera		
59	The Device Must be Capable of Taking Backup of The Recordings As Per The Priority Of The Camera		
	<b>INTERFACE</b>		
60	Communication Interface Shall be RJ45 10/100Mbps Adaptive Ethernet Interface		
61	It Should Provide 3 USB Ports (1x USB 3.0, 2x USB2.0)		
62	The Device Must Have 2 Alarm Input and 1 Alarm Output		
63	It Should Have Reset Switch		
	<b>SYSTEM INTERFACE</b>		

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64	Processor: High Performance Embedded Microprocessor, HI 353A		
65	NVR System Should have Linux Based Operating System (OS) with Intuitive GUI and Web-Based Interface.		
66	Control Mode: Mouse, Web Client and Mobile Client		
67	3 User Access Levels (Default): Admin, Viewer and Operator		
68	10,000 Events Log		
69	Embedded Web Server		
70	Up to 120 Programmable Users		
	<b>WEB CLIENT</b>		
71	NVR System Should Have Inbuilt Web Based Command and Control Application Designed For Use Of Enterprise, Remote and Network Applications		
72	The System Should be Able To Remotely Access Live and Stored Videos Using The Web		
73	The System Should be Capable Of Remotely Accessing, Search, Browse, Display and Transfer Stored Video to a Remotely Connected Workstation		
74	The NVR Web Client Should be Able to Receive Notifications For Events Such as Alarm, Motion Detection and Video Loss		
75	Web Client Should be Capable of Performing All Pentaplex Functions (i.e. live recording, monitoring, playback, backup and remote access ) Simultaneously		
76	Web Client Should Be Capable of Managing and Monitoring Cameras From Another NVR		
77	User Login and Access Privilege Should Be Defined For The Web Client		
	<b>MOBILE VIEWER</b>		
78	Mobile Viewer should be Provided By The Vendor Free of Cost With The NVR system		
79	The Mobile Viewer Should Be Able To Display 1 to 4 Channel Live		
80	The Mobile Viewer Should Have 2x2 Layout For Display		
81	The Mobile Viewer Should Have Digital Zoom Option		
82	The Mobile Viewer Should Be Able To Remotely Control PTZ Cameras		
83	The Mobile Viewer Software Should Support Up To 50 NVRs		
84	Software Should Have Feature To Configure Camera As Favorite Channel		
85	Mobile Viewer Application Should Function On Android and IOS Based Phones		
86	Mobile Viewer Application Should Support Calling from Mobile App Feature Where a Mobile Number/Extension* Number Can be Added Per Camera In the Device and The User Can Directly Call a Concerned Person by Just One Click on Camera View From Mobile		
87	* Extension Number Can be Added In Mobile Calling Only If IP-PBX Belongs to Brand		
	<b>OTHER FEATURES</b>		
88	NVR System Should Be Capable of Exporting Files In Native and AVI File Format to FTP and USB.		
89	NVR Should Provide a Storage Calculator to show available storage capacity		

Signature of the Tenderer with seal

90	The system should Manage Storage on FIFO basis		
91	IP and MAC Address Filtering Should be Done to Enhance Security		
92	System Admin Should Be Capable of Programming PTZ Tour		
93	Dual Stream Option Should Be Available For Simultaneous Recording and Transmission of Video On The Network Depending On The Bandwidth.		
94	The system should support Pelco P and Pelco D Protocol for PTZ control		
95	The system should be capable of PIP zoom from live and playback		
96	The system should support Day Light Saving Time (DST)		
	<b>CAMERA SUPPORT</b>		
97	The system should be capable of integrating with IP camera of any brand which support ONVIF 2.0 & above		
98	It Shoud Support the mostly used Camera Brands such as:Axis, ACTi, Samsung, Panasonic, Sony, Hikvision, Dahua, Planet, Vivotek, LevelOne, Grandstream, Infinova, D-Link, Mobotix, and ONVIF 2.0 & above Support		
99	<b>OPERATING TEMPARATURE</b>		
100	The Device Must Be Capable of Working At An Operating Temperature varying between 0°C to +50°C (32°F to 122°F)		
101	The Device Must Be Capable Of Working Under 5% to 95% RH Non-Condensing Humidity		
	<b>ELECTRICAL AND MECHANICAL</b>		
102	Single Unit Weight should not exceed 1.68Kg		



**SECTION-III**

**GENERAL CONDITIONS OF CONTRACT**

1. The Tenderer shall submit their “Technical Bid & Price Bid in two separate sealed covers and both the Technical Bid cover and Price Bid cover shall be put in another sealed cover super scribed with “Tender for IP Video Surveillance System” Tender No. DCI/HR/06/E/ CC Camera/2020 dated 02.07.2020.
2. The Technical Bid cover shall contain the tender documents viz. Section-I to Section IV along with all enclosures like details of experience, turn over, EMD, SD, Cost of Tender Documents, etc.. The Price Bid cover shall contain Section-V (BOQ) only.
3. The sealed tender completed in all respects may either be submitted by post before the stipulated time and date i.e., 1500 hrs. on 14.07.2020 or the same may be dropped in the tender box placed at Ground Floor., North Wing, “Dredge House” , H.B Colony Main Road, Visakhapatnam-530 022. In case the tenders are sent by post, DCI will not be responsible for any postal delays. Unsealed tenders will be summarily rejected.
4. The Technical Bids will be opened at 1530 hours on the due date (i.e. 14.07.2020) in the presence of such tenderers/representatives who are present at that time.
5. Tenders received after specified time and date will not be accepted.
6. Amount specified above towards cost of tender documents and EMD are to be remitted separately to the following account through e-payment (NEFT/RTGS) / Bank Guarantee. The confirmation of receipts are to be obtained by the bidder from DCI HO’s e-mail id “treasury@dcil.co.in” and to be enclosed with the bid in cover-A along with electronic receipt/ UTR:  
Bank:- Syndicate Bank Branch:-DCI Ltd., Dredge house, Port Area, Visakhapatnam.  
Current Account No: - 35833070000014  
IFSC No: - SYNB0003583  
SWIFT Code No: - SYNBINBBO32
7. Towards Security Deposit for the due fulfilment of this contract, amount as stated in Memorandum will have to be deposited by the successful tenderer before award of the work. The EMD will be treated as part of SD.
8. All tenders must be absolutely clear, failing which the same will not be considered.
9. All columns would be properly and legibly filled in. No column would be left blank. Any correction in the rates etc. would be duly attested by the tenderer. Alterations, if any, not authenticated with attestation may result in the rejection of the tender.
10. Rates quoted by the tenderer in item rate tender in figures and words will be accurately filled in so that there is no discrepancy in the rates written in figures and words.
11. Special care should be taken to write the rates in figures as well as in words, in such a way that the interpolation is not possible. In case of figures words Rs. would be written before the figures of Rupees and words paise after decimal figures viz., Rs.2.15 Ps. And in the case of words, the word Rupees should precede and the words paise would be written at the end. Unless when the rate is in whole rupee , it would be invariably be up to two decimal places.

Signature of the Tenderer with seal

12. The rate will be quoted in decimal coinage and will be noted in words and figures. The amount for each item would be worked out and the requisite total given.
13. If the amount of an item is not worked out by the tenderer, it does not correspond with the rate written either in figures or in words, then the rate quoted by the tenderer in words will be taken as correct.
14. Where the rate quoted by the tenderer in figures and words tallies but the amount is not worked out correctly, the rate quoted by the tenderer will be taken as correct and not the amount.
15. Item rate tender bearing any inscription either to increase or decrease the quoted, will not be considered and such tender will be rejected summarily.
16. The tenderer should sign on all pages of the tender documents including schedule attached with the tender while tendering for the work.
17. The rate quoted in the tender will remain firm during the currency of contract including the extended period if any. Escalation on any account is not admissible.
18. When a tenderer signs a tender in an Indian Language, the rates and the total amount tendered would also be written in the same language. In the case of illiterate contractors, the rates or the amounts tendered would be attested by witness.
19. The rate quoted by the tenderer shall be inclusive of GST or any other taxes in respect of this contract and the above taxes will be payable by the tenderer and Dredging Corporation of India Limited will not entertain any claim whatsoever in this respect. However, with regard to GST, proof of payment to the concerned authorities shall be submitted/entered in the concerned website
20. The tender should be valid for a period of 90 days (ninety) days from the date of opening.
21. DCI reserves the right to cancel/withdraw the tender at any stage without assigning any reason.
22. Conditional tenders and additional conditions of the tenderer will not be considered.
23. In the event of any breach of contract on the part of the contractor, the Corporation reserves the right to forfeit the entire security deposit in favour of the Corporation. Corporation also reserves the right to get the balance work executed by some other sources at the risk and cost of the tenderer.
24. All rules and regulations governing the Dredging Corporation of India Limited will be applicable.
25. If as a result of any post audit, any amount is found to be recoverable from the tenderer, the same will be recovered first from any sum due to the tenderer against any current bill of the tenderer and/or from their security deposit and/or from any other amount due from the Corporation and/or on demand
26. All claims of the Dredging Corporation of India Limited against this contract or any other transactions whatsoever will be recovered from the amounts due to the tenderer under this account.
27. If the tenderer makes default in proceeding with the work with due diligence, due to lack of resources or organization or work operated is not up to the expected standards, the Corporation reserves right to cancel the contract at 3 (three) days' notice at any time during the currency of the contract. If the tenderer fails to execute the work as per conditions of the contract the Corporation reserves the right to cancel the contract and to get the work executed through other agencies at the risk and cost of the tenderer. The Corporation would be entitled to withhold any sum due and payable to the tenderer towards the sum as a result of the said breach or default. The contractor will not have any claim for compensation or otherwise on this account.

Signature of the Tenderer with seal

28. The tender is non-transferable and if transferred, it is liable for rejection.

29. **ARBITRATION:** Should any dispute or difference arise between the Corporation and the contractor in connection with this contract, or as to the rights and liabilities of the parties hereto, it will be referred to Arbitration by a Sole Arbitrator, a person to be appointed by the Chairman-cum-Managing Director, Dredging Corporation of India Ltd., Visakhapatnam and the award of the Arbitrator shall be final and binding upon the parties hereto, subject to the provisions of the Arbitration and Conciliation Act, 1996 (Act, 26 of 1996). The Arbitrator will give a reasonable award. It will be in accordance with the provisions of the Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof. The Arbitrator may from time to time with the consent of the parties enlarge the time for making & publishing the award. The Sole Arbitrator is prohibited from awarding any interest in the award either for the pre-reference period or pendente lite. The venue of the Arbitration will be Visakhapatnam, and the courts at Visakhapatnam will have exclusive jurisdiction on all matters with reference to this contract.

30. The tenderer will furnish a certificate that he is not related to any officer of Dredging Corporation of India Limited or any officer of the rank of Asst. Secretary or above in the Ministry of Shipping, Government of India. The tenderer should give a declaration along with their tender about the names of the relatives, who are employed in Dredging Corporation of India Limited. Proforma of declaration attached.(Annexure-I).

31. The tenderer shall give an undertaking that they have not made any payment or illegal gratification to any person/ authority connected with the bid process so as to influence the bid process and have not committed any offence under PC act in connection with the bid (Proforma enclosed).(Annexure-II)

32. The tenderer shall disclose any payments made or proposed to be made to any intermediaries (agents) in connection with the bid.(Proforma enclosed)(Annexure-II)

33. Canvassing in connection with tender is strictly prohibited and the tender submitted by the tenderer who resorts to canvassing will be liable for rejection.

34. Tenders, which do not fulfil all or any of the above conditions or incomplete in any respect, are liable for summary rejection.

35. The work will be commenced and completed as per the time schedule mentioned in the tender document. In the event of delay in commencing the subject work, as stipulated in the work order, the work order issued to the party will be cancelled and Security Deposit will be forfeited.

36. If the tenderer fails to complete the work, DCI reserves the right to execute the work from the other sources at the risk and cost of the tenderer and Security Deposit submitted will be forfeited.

37. No claim for the increase in the rates of the materials and labour during the contract period will be entertained by DCI. Post-tender negotiations are banned, except in the case of negotiations with L-1 (i.e. lowest tenderer).

38. In case the tenderer fails to execute and complete the works within the stipulated period, liquidated damages @ 1% per week or part thereof up to a maximum of 10% of the contract value for delay in the completion of work will be levied.

39. The Security Deposit will be submitted before award of the work. The Security Deposit amount will be returned after successful completion of the contract and on completion of guarantee period. During the above period, the tenderer will rectify, defects, if any found at his cost.

Signature of the Tenderer with seal

40. The tenderer will make their own arrangements for the transportation of all materials. The same will be kept under their safe custody till they are utilized on the work and DCI will not be held responsible for any loss etc.

41. Time is the essence of the contract. The tenderer will complete the work within the stipulated time. However, suitable extension of time will be granted in case of stoppage of works due to natural calamities and other reasons if found necessary for completion of this work, at the discretion of competent authority.

SIGNATURE OF THE TENDERER WITH SEAL

Signature of the Tenderer with seal

**SECTION-IV**  
**SPECIAL CONDITIONS**

01. The quantities mentioned in the Bill of Quantities are only approximate. The Corporation reserves the right to increase/decrease the quantities up to (Plus or minus) 20% or not to consider the items for acceptance.
02. The tenderers should specify whether they are Manufacturers / Authorized Dealers for the product for which they are submitting their offer.
03. For patented items, Corporation reserves the right to demand submission of material price lists.
04. The successful tenderer(s) shall require to complete the work within the scheduled time. The acceptance of the work is subject to fulfilling all the conditions of the tender. Bills for payment shall be settled within 30 days after completion of work and on submission of invoice / other details. No part payment shall be made. In the event of failure to complete the work, as per Work- Order, with in the stipulated period, Liquidated Damages shall be levied by way of penalty which shall be deducted from the respective bills, at 1% per week or part thereof on the value of the balance work to be completed, up to a maximum of 10% of the contract value, as per Work- Order, for non- completion of the work.
05. The Security Deposit will be refunded to the tenderer, after satisfactory completion of the guarantee period.
06. The tenderer should have experience of having successfully completed similar works during the last 05 years ending last day of the month previous to the one in which tenders are invited, either of the following for which supporting documents should be enclosed.
  - 1) three similar completed works costing not less than the amount equal to Rs 1,50,000.00 each (or)
  - 2) two similar completed works costing not less than the amount equal to Rs 1,87,500.00 each(or)
  - 3) one similar completed work costing not less than the amount equal to Rs 3,00,000.00
07. The tenderer will have annual financial turn over during the last three years ending 31.03.2019 at least Rs 1,12,500.00 per year.
08. The following details may be submitted along with the “Technical Bid” cover.
  - A) Experience during the last 05 years period along with the copies of work-orders duly mentioning the value of work, etc.
  - B) Annual turn over the last three years period. (attach certified copies of audited balance sheet)

2016-17	2017-18	2018-19
---------	---------	---------
  - C) EMD/Cost of tender document particulars such as UTR No., etc.
  - D) Details of Bank i.e Bank A/C No., IFSC code, etc.
  - E) PAN details
  - F) GST registration, etc.
- 09.. The personnel deployed to carry out work in DCI premises shall hold ID card issued by the tenderer.

Signature of the Tenderer with seal

Annexure-I

**PROFORMA**

Date:

To

M/s.Dredging Corporation of India Ltd.,  
“Dredge House”, HB Colony Main Road  
Seethammadhara  
VISAKHAPATNAM-530022

Sir,

Sub: Tender for supply, Installation, Testing and commissioning of IP Surveillance system - Reg.

\*\*\*

With reference to your Tender No.DCI/HR/06/E/ CC Camera/2020 dated 02.07.2020 and as per Cl.No.30 of General Conditions of the Contract, we hereby certify that, we are not related to any Officer of Dredging Corporation of India Ltd., or any Officer of the rank of the Asst.Secretary or above in the Ministry of Shipping, Government of India and also certify that we do not have any relatives employed in the Dredging Corporation of India Ltd.,

Thanking you,

Yours faithfully,

Signature of the Tenderer with seal

Annexure-II

**PROFORMA**

Date:

To

M/s.Dredging Corporation of India Ltd.,  
“Dredge House”, HB Colony Main Road  
Seethammadhara  
VISAKHAPATNAM-530022

Sir,

Sub: Tender for supply, Installation, Testing and commissioning of IP Surveillance system - Reg.

\*\*\*

With reference to your Tender No. DCI/HR/06/E/ CC Camera/2020 dated 02.07.2020 and as per Cl.No.31&32 of General Conditions of the Contract, we hereby certify that, we have not made any payment or illegal gratification to any person/authority connected with the Bid process so as to influence the Bid process and have not committed any offence under the prevention of Corruption Act in connection with the Bid

Thanking you,

Yours faithfully,

Signature of the Tenderer with seal

**SECTION – V****BILL OF QUANTITIES**

SL. NO	Description of the item	Qty	Unit price		Total	
			Rs.	Ps.	Rs.	Ps.
01.	2mp IP Based Dome network camera, CMOS Exmore Technology with starvis sensor. 3.6mm lens, 30mtr IR Range,H.265 Video compression vandol proof camera ,256 GB SD Card Provision ,on VIF. Inbuilt analytics: Trip wire, intrusion detection, tampers detection. Adaptive recording. Certifications:CE,FCC,Rohs,BIS	11 NOS				
02.	2mp IP based bullet network camera, CMOS, Exmore technology with starvis sensor, 3.6mm lens,50 mtr IR Range, IP66 Rating,256GB SD Card Provision. on VIF, Adaptive recording. Inbuilt analytics: Trip wire, intrusion detection , Tamper detection certifications: CE,FCC,RoHS,BIS	04 Nos				
03.	2MP IP Based motorised verifocal camera 2.8-12mm, Exmore technology,50 mtr IR range , IP66Rating.256GB SD card provision , adaptive recording . Inbuilt analytics: Trip wire , intrusion detection, tamper detections certifications: CE,FCC,RoHS,BIS	02 Nos				
04.	Network video recorder 32CH,2STATA,10TB/slot,512 mb Through put, 4k Support	01 No				
05.	Network Rack 6U wall mountable	01 No				
06.	Outdoor junction boxes 2x2 feet	03 Nos				
07	4 Port POE switch	02 Nos				
08	24 Port POE GIGABITE Switch	01 No				
09	Media Converters	05 Nos				
10	6TB Hard disc for 30 Days back up	01 No				
11	CAT 6 Cable for cameras in cellar 1,2 locations for 6 cameras	400mt s				
12	PVC flexible multi strand copper cable-3core 1.5 sq.mm of Finolex /RR Cable or equivalent	100mt s				
13	15 Amps,230V single phase Power sockets with switch controls in open surface box.	03 Nos				
14	One Inch PVC pipe 1.5mm thick 10 feet length each.	120 Nos				

Signature of the Tenderer with seal



15	OFC slicing Boxes	04 Nos		
16	OFC Patch cards	10 Nos		
17	32 Inches monitor full HD resolution	01 nos		
18	Cable laying charges in PVC pipes (only labour charges)	400 mts		
19	Installation charges for new cameras, OFC slicing, racks ,out door junction boxes, etc.	LS		
20	Installation of existing CP plus cameras in the new building by removing the same from the old building	LS		
	Total basic Value			
	GST @ % on the above items			
	Total Including GST			

(Rupees

only)

- Note:-
- 1) Tenderers are requested to inspect the location of the equipment to be installed in our premises before quoting their rates.
  - 2) Income Tax/ other Taxes, if any will be deducted from the bills as per the rules prevailing from time to time
  - 3) The above charges shall be inclusive of all taxes, duties, levies, etc.

Station:

Date :

SIGNATURE OF THE TENDERER WITH SEAL

Signature of the Tenderer with seal

**FORM OF BANK GUARANTEE BOND FOR EARNEST MONEY DEPOSIT).**

**(To be executed on Rs.100/- Non-Judicial Stamp Paper)**

In consideration of Dredging Corporation of India Limited, a Company incorporated under the Company's Act 1956 and having its Registered Office at Core-2, 1<sup>st</sup> Floor, SCOPE MINAR, Plot No.2A & 2B, Laxmi Nagar District Centre, Delhi-110091 (hereinafter called the "DCI" having agreed to exempt M/s. \_\_\_\_\_ (indicate Name & Full Address of the Tenderer) (hereinafter called the said "Tenderer") from payment under the terms and conditions of the tender dated \_\_\_\_\_ No. \_\_\_\_\_ made between the DCI

and the Tender for \_\_\_\_\_

(herein after called the said "Tender") of Earnest Money Deposit in cash for the due fulfilment by the said Tenderer of the terms and conditions contained in the said Tender on production of a Bank Guarantee for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only).

We \_\_\_\_\_ (indicate the name of Bank)

(hereinafter referred to as "the Bank") at the request of M/s. \_\_\_\_\_ the said Tenderer do hereby undertake to pay to the DCI an amount not exceeding Rs. \_\_\_\_\_ against any loss or damage caused to or suffered or would be caused to or suffered by the DCI by reason of any breach by the said tenderer of any of the terms or conditions contained in the said tender.

2. We \_\_\_\_\_ do hereby undertake to pay the amounts due and (indicate the name of Bank)

Payable under this guarantee without any demur, merely on a demand from the DCI stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the DCI by reason breach by the said Tenderer of any of the terms or conditions contained in the said Tender or by reason of the Tenderer's failure to perform the said Tender. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_.

3. We undertake to pay to the DCI any money so demanded not withstanding any dispute or disputes raised by the said Tenderer in any suit or proceeding pending before any court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by

Signature of the Tenderer with seal

us under this bond shall be valid discharge of our liability for payment thereunder and the said Tenderer shall have no claim against us for making such payment.

4. We \_\_\_\_\_

(indicate the name of Bank)

further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Tender and that it shall continue to be enforceable till all the dues of the DCI under or by virtue of the said Tender have been fully paid and its claim satisfied or discharged or till the DCI certifies that the terms and conditions of the said Tender have been fully and properly carried out by the said Tender and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before \_\_\_\_\_, we shall be discharged from all liability under this Guarantee thereafter.

5. We \_\_\_\_\_ (indicate the name of Bank)

further agree that the DCI shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Tender or to extend time of performance by the said Tenderer from time to time or to postpone for any time or from time to time any of the powers exercisable by the DCI against the said Tenderer and to forbear or enforce any of the terms and conditions relating to the said Tender and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Tenderer or for any forbearance, act or omission on the part of the DCI or any indulgence by the DCI to the said Tenderer or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Tenderer.

7. We, \_\_\_\_\_

(indicate the name of Bank)

lastly undertake not to revoke this guarantee during its currency except with the previous consent of the DCI in writing.

Date the \_\_\_\_\_ day of \_\_\_\_\_ 2020

For \_\_\_\_\_

(indicate the name of Bank)

Signature of the Tenderer with seal

**PROFORMA FOR BANK GUARANTEE FOR SECURITY DEPOSIT**

**(TO BE EXECUTED ON NON-JUDICIAL STAMP PAPER WORTH OF RS.100/-)**

To,

The Dredging Corporation of India Ltd.,

“Dredge House”, Port Area,

Visakhapatnam/530035.

WHEREAS \_\_\_\_\_

(indicate Name & Full Address of the Tenderer)

(hereinafter called the “Tenderer”) has submitted its tender dated \_\_\_\_\_ for the

Execution of (Name of Work)

in favour of DREDGING CORPORATION OF INDIA LIMITED, Dredge House, Port Area, Visakhapatnam-530 001 (herein after called the “CORPORATION”).

KNOW ALL MEN by these presents that we, (Bankers full address)

(herein after called “Bank”) are bound unto the Corporation for the sum of Rs.

(Rupees \_\_\_\_\_ only) for which

payment will and truly to be made to the said Corporation, the Bank binds itself

its successors and assigns by these present.

THE CONDITIONS of this obligation are:

If the Tenderer withdraws his Tender

- a) during the period of validity of the Tender specified in the Tender (or)
- b) after having been notified of the acceptance of his Tender by the Corporation during the period of Tender Validity.

Signature of the Tenderer with seal

2. fails or refuses to execute the Agreement

We undertake to pay to the Corporation upto the above amount upon receipt of their first written demand without the Corporation having to substantiate their demand, provided that in their demand the Corporation will note that the amount claimed is due to him owing to the occurrence of one or more of the above conditions, specifying the occurred condition or conditions.

Notwithstanding anything herein contained our liability under this guarantee is limited to

Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only)

and will remain in force upto 90 days from the date of opening of Tender and any demand in respect thereof must reach the Bank not later than the date of expiry of this guarantee failing which all the rights of the Corporation under the guarantee shall be forfeited and the Bank shall be deemed to be relieved or discharged from all liabilities hereunder.

Dated:

SIGNATURE OF THE BANK WITH SEAL

Signature of the Tenderer with seal