

**BRUHAT BENGALURU MAHANAGARA PALIKE**O/o Executive Engineer, Project Central-4, Room No: 301, Annex Building-2, 3rd floor, Narasimha Raja Square
Bengaluru – 560 002

No: EE/ PC-4/ EoI/ PR/64/ 2019-20

Date: 12-09-2019

EXPRESSION OF INTEREST (EOI)

Expression of interest is invited from the reputed agencies for the following description of non SR items for **Construction of Multilevel Car Parking at Freedom Park, Gandhi Nagar, Bangalore.**

Sl No	Description of items	Unit	Qty
1	Supplying, installing, testing and commissioning of 11000/433 Volts 750 KVA Copper winding with OLTC (On Line Tap Change Over switch RTCC panel Transformer with all necessary accessories of KPTCL approved.	Each	1
2	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE 25A MCCB	Each	4
3	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE 63A MCCB	Each	30
4	Supplying and fixing Isolator over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. 63A MCCB	Each	3
5	Supplying and fixing ACB over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE 630 A ACB	Each	4
6	Supplying and fixing ACB over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE 1250A ACB	Each	3
7	Flush/Surface Mount, Single-Load 360o PIR and Ultrasonic Occupancy Sensor Rated Voltage 230V~±10% 0/60Hz Auto off time: From Adjustable from 5sec to 30min, Test & adjustment Lux adjustment: From 10Lux to 2000Lux Triggering Method: PIR + US, PIR only, US only, PIR or US Detection Range: PIR: 360o circular, adjustable up to Ø8m US: 360o, adjustable up to 10m x 16m, it's an oval shape	Each	60
8	1 point 3 Megapixel 720P IP IR PTZ camera 18X optical zoom WDR 100 Meters IR distance TDN 12VAC Wall Mount: HWCCALIPSD1AI18WW: HONEYWELL, THE RATES INCLUSIVE OF 14.5 TAX AND 13.5 ERECTION CHARGES	Nos	2
9	1 point 3 Megapixel IP IR vandal proof dome camera 3 point 6mm lens 10 to 20 Meters IR distance TDN 12VDC PoE :HWCCALIPD1AI36VP : HONEYWELL, THE RATES INCLUSIVE OF 14.5 TAX AND 13.5 ERECTION CHARGES	Nos	12
10	1 point 3 Megapixel IP IR weatherproof camera 2 point 8 12mm vari focal lens 30 to 40 Meters IR distance TDN 12VDC PoE:HWCCALIPB1AIV40P :HONEYWELL, THE RATES INCLUSIVE OF 14.5 TAX AND 13.5 ERECTION CHARGES	Nos	2
11	NUUO- Open Platform Crystal Titan Linux NVR Standalone with 50 IP licenses 8bay , rackmount, with free NU-Client (Client Software), (RAID 0,1, 5,10): CT-8000R + 50 Camera licenses:NUUO, THE RATES INCLUSIVE OF 14.5 TAX AND 13.5 ERECTION CHARGES	Nos	2
12	4TB Purple HDD :WD40PURX:WD, THE RATES INCLUSIVE OF 5.5 TAX AND 13.5 ERECTION CHARGES	Nos	10
13	24 PoE 10/100/1000 ports + 4 Gigabit SFP ports Web Smart Switch (193 watts):DGS-1210-28P:AMP MAKE, THE RATES INCLUSIVE OF 5.5 TAX AND 13.5 ERECTION CHARGES	Nos	5

14	8*10/100Based-TX PoE Switch (72W):DES-1210-08P:AMP MAKE, THE RATES INCLUSIVE OF 5.5 TAX AND 13.5 ERECTION CHARGES	Nos	3
15	SITC of Ceiling Mounted Jet vent Fans(400mm dia): SITC of Ductless Ventilation / Jet fans as per Specifications for normal ventilation and smoke exhaust. Motor and sound attenuators shall be a composite, imported and certified suitable for fire service and rated for a temperature of 300 deg. C for a period of 2 hours for normal ventilation and smoke extraction application. The complete fan assembly with its casing, impeller & motor and the motor shall be imported from manufacturer and certified as tested for 250 deg. C for 2 Hours operation. fan should be along with PLC control and BMS computable including power control cable. Each jet fan assembly shall connect to a composite PLC Panel controlled by CO Sensor / Fire Alarm System for Smoke Extraction. The Jet fans as shown in the drawing. Casing shall be made of hot dipped galvanized steel. Each fan shall be complete with dual speed motor and die cast aluminium impeller. Length of silencer should not be less than 710mm long on both sides. The motor shall be dual speed and run on the electrical power suitable for 415V / 3Ph / 50Hz. class H insulation, IP55 Enclosure and 75Db at a distance of 3M. Make: SYSTEMAIR, HUMIDIN	Nos	48
16	CFD Analysis (for the Three basements for CO2 simulation	Nos	3
17	SITC of CO Sensor: SITC of CO Sensor shall be designed to detect CO gas in the air with sensing range between 0-300 ppm with high accuracy at low connection (1 Sensor for 1 Fan).	Nos	48
18	SITC of Direct drive Tube Axial fans complete with Hot dipped Galvanised Steel Casing with spun flanges, adjustable pitch die cast aluminium impeller (hub and Aerofoil blades) and motor, casing position shall be as per the job requirement and shall be marked on the fan assembly. SITC of Axial Fans of Capacity 48000CFM (for normal mode / Fire Mode) Fans should be suitable for emergency mode operation (250 Deg / 2 Hrs.) with 18.5 KW. (Use Floor Name ZONE SP mm WG CFM) Make : SYSTEMAIR, NICOTRA, MAICO, KRUGER.	Nos	12
19	SITC of Direct drive tube Axial fans complete with Hot dipped Galvanized Steel with spun flanges, adjustable pitch die cast aluminium impeller (hub and Aerofoil blades) and motors, casing position shall be as per the job requirement and shall be marked on the fan assembly SITC of Axial Fans of Capacity 36500CFM (for fresh Air) Fans should be suitable for emergency mode operation (250 Deg / 2 Hrs.) with 11 KW. (Use Floor Name ZONE SP mm WG CFM) Make : SYSTEMAIR, HUMIDIN.	No	9
20	Supply of Electrical cum PLC Panel for basement with MCB feeders with Starter for 7sets(In each set Min of 3Fan to be connected) of dual speed 3Ph fans of 1.7Kw / 0.34Kw each, MCCB feeders with starters for 2Nos Exhaust fans single speed of 18.5Kw. 2 Nos Exhaust fans single, with suitable incomer MCCB, meter Panel, aluminium bus bar, PLC logic Controller with Necessary Internal control wiring of suitable size (Wiring length approx. 350Rmt per Lev)	Set	3
21	Toilet Ventilation Fans : SITC of INLINE Fans for Ventilation system. Each fan shall be complete with totally enclosed fan cooled motor drive, motor mount, vibration isolators and suitable weather protection arrangement. A) 500CFM the rate shall include one meter long wire chord, 5A 3pin Plug top and all accessories as required complete	Nos	4
22	Supply, fixing, testing and balancing of power coated extruded aluminium section square type in construction exhaust air grills as per specification. Make: SYSTEMAIR, CARYAIRE, JAYDEUTILITY. a) 150mm x 150mm	Nos	30
23	SITC of Flexible duct Make : SUPA FLEX, SYSTEMAIR, UPTWIGA,CARYAIRE. a) 150mm dia	Rmt	45
24	SITC of 25G GI Mixing box for diffuser Make: SYSTEMAIR, CAMDUCT,CARYAIRE. a) 150 x 150 x 200H for 150mm Connection/Collar	Nos	30
25	SITC of butterfly damper (spigot) Make : SYSTEMAIR, CAMDUCT,CARYAIRE.JAYDEE UTILITY a) 150mm dia	Nos	30
26	SITC of power coated extruded aluminium section exhaust air louvers with bird screen Make : SYSTEMAIR, CAMDUCT,CARYAIRE.JAYDEE UTILITY	Sqm	1

27	SITC of opposed blade GI construction box type duct volume control damper Make : SYSTEMAIR, CAMDUCT, CARYAIRE. JAYDEE UTILITY	Sqm	15
28	Supply, fabrication, erection and commissioning of FS frame with support	Kg	5000
29	SITC of Axial fan cable , CO sensor Cable, Jet Fan Cable tray, GT Strip, 8 SWG, Conduit	Lot	3
30	Fire rated doors		
a	1200x2100 Single leaf equal	Nos	25
b	1500x2100 Double leaf equal	Nos	3
c	1800x2100 Double leaf equal	Nos	6
d	1200x1200 Double leaf equal	Nos	8

Interested firms can participate in this EoI by submitting their proposal with the following informations through online in the website: www.eproc.kar.gov.in.

- Detailed Company Information.
- Letter of interest clearly indicating supply reference.
- List/ Details of similar type of supply contracts successfully executed in the last three years and similar Contracts/agreements currently under execution.
- Quality assurance & Quality control plan/ procedures in place for the execution of similar type of work, Copy of ISO or any other certification as applicable.
- Technical specifications.
- Cost per unit **including all applicable taxes, transportation, labor charges, and overhead charges.**
- Any other information relevant to the assignment.

Last date for submission of EOI on or before **20-09-2019 at 4.00 p.m** through e-procurement portal. The detailed specification & any other information required may be obtained from the office of the undersigned on any working days 10:00 A.M to 5:30 P.M. The Department reserves the right to accept or reject EoI from the applicant without assigning any reason whatsoever.

Sd/-

Executive Engineer
Project Central-4

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1. Copy Submitted to the Worshipful Mayor for kind information.
2. Copy Submitted to the Deputy Mayor for kind information.
3. Copy Submitted to the Commissioner for kind information.
4. Copy Submitted to the Special Commissioner (project) for kind information.
5. Copy submitted to the Engineer-In-Chief for kind information.
6. Copy Submitted to the Chief Engineer (Project-Central) for kind information.
7. Copy to All Executive Engineers with a request to display the same in Notice Boards.
8. Copy to I.T. Advisor, BBMP to publish in BBMP website.
9. Copy to Public Relation Officer BBMP for information and to publish in two leading Newspapers in Kannada and English.
10. Office copy.

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