Karimnagar Smart City Corporation Limited (KSCCL)

EXPRESSION OF INTEREST AND INVITATION OF QUOTATIONS

for

KSCCL desires to invite Quotations from interested parties for **Various Items such as Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Irrigation Works, Musical fountain, EPDM for Play field, Boom barrier, Tree house, CCTV Surveillance, RO Water Purification system, Lighting works, Art Sculptures, Tensile structure for Parametric pavilion** at Development of Park at MPS in Karimnagar under Smart City Mission

Invited by:
Managing Director & Chief Executive Officer
Karimnagar Smart City Corporation Limited E-mail:
mdksccl@gmail.com
Tel No: +919849906691

KARIMNAGAR SMART CITY CORPORATION LIMITED (KSCCL), KARIMNAGAR

Ref: 08/KSCCL/2020-21 dated 03.04.2021

Invitation for Expression of Interest

KSCCL desires to invite Quotations from interested parties for **Various Items such as Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Irrigation Works, Musical fountain, EPDM for Play field, Boom barrier, Tree house, CCTV Surveillance, Osmosis Water Purification system, Lighting works, Art Sculptures, Parametric pavilion.**
for implementation of a park under Smart City Mission at KARIMNAGAR. The detailed Specifications and BOQ can be downloaded from website of **www.karimnagarcorporation.telangana.gov.in** and will be available from **06*.04.2021*** onwards**. *The last date for submission of proposals is 15-04-2021 up to 15:00 Hrs.***

For more details contact:

Karimnagar Smart City Corporation Limited

E-mail: mdksccl@gmail.com

cc: tlkarimnagar@aarvee.net

Mobile No: 9849906691 & 9538210099

Sd/-
Managing Director,
KSCCL

Objective of this EOI:-

The detailed layout of the park under implementation is given herein under @ Page 11 of this EOI.

The respondent is expected to refer this layout to understand the park layout in totality and the individual components mentioned therein. We intend to receive competent quotations for various items of work to be executed at this park

Following are various items of work for which quotations are invited.

S.No	Part	Description	Remarks
1.	**Part- A**	Entrance and Internal Sign Boards	Design and quotations
2.	**Part- B**	Landscape and Plantation works	Quotes for species mentioned in BOQ
3.	**Part- C**	Children Play Equipment	Quotes for equipment listed in BOQ
4.	**Part- D**	Drip/Sprinkler irrigation systems	Design and quotations
5.	**Part- E**	Musical Fountain system	Design and quotations as per layout
6.	**Part- F**	EPDM Flooring (36mm thick) at Children play area	Quotes
7.	**Part- G**	Automatic boom barrier system	Quotes
8.	**Part- H**	Tree house	Design and quotations
9.	**Part- I**	CCTV surveillance	Specification and quotations
10.	**Part- J**	Water ATM	Specification and quotations
11.	**Part- K**	Outdoor lighting works	Design and quotations
12.	**Part- L**	Art sculptures	Design and quotations
13.	**Part- M**	Parametric pavilion at the entrance	Design and quotations
14.	**Part- N**	Electric Panels	Design and quotations

1. Detailed Bills of Quantities (BOQ) for Part ‘A’ to Part ‘N’ are given at Page 10 to 37.

2. Respondent Quoting for specialized items such as Musical fountain systems (Part E) may have to give a detailed presentation, as may be decided by the authority inviting EOI.

KEY DATES

No.	Activity	Deadline
1	Issue of Document	06.04.2021, 1:00 PM
2	Last date for receipt of queries on EoI	09.04.2021, 5:00 PM
3	Posting of response to queries	12.04.2021, 5:00 PM
4	Last date for submission of EoI	15.04.2021, 5:00 PM

Invitation for quotations for Various Items such as **Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Irrigation Works, Musical fountain, EPDM for Play field, Boom barrier, Tree house, CCTV Surveillance, Osmosis Water Purification system, Lighting works, Art Sculptures, Parametric pavilion at MPS PARK**

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1 Introduction

1.1 KARIMNAGAR

Karimnagar city is a Municipal Corporation and district headquarters of Karimnagar district. Karimnagar has been included in the Centre's Smart Cities Mission program along with 30 other cities which were shortlisted under Round 3 of Smart City challenge. As part of the challenge, Karimnagar has set its vision, "To develop Karimnagar into a major **commercial, and tourism hub in northern Telangana** facilitated through a digital transformation of City life, and to create an Inclusive, Skilled and Gender-sensitive society."

1.2 Karimnagar Smart City and its themes

The five themes as building blocks, Karimnagar SCP proposed various developmental projects for the city under two categories i.e. Area Based Development (ABD) and PAN City Development covering a wide range of sectors namely Urban Transportation, Riverfront development, Slum Rehabilitation, Affordable Housing, Water Supply, Sanitation, Sewerage, Solid Waste Management, Smart Governance, Digital, and Energy Infrastructure, etc. The central area (2390 acres) of the city has been chosen for the ABD proposal to transform it into a thriving business community.

1.3 Karimnagar Smart City Corporation Limited

Karimnagar Smart City Corporation Limited (KSCCL) is formed as a Special Purpose Vehicle (SPV) to execute Smart City projects in Karimnagar Smart City. Under the Smart City mission, the SPV is tasked at implementing projects falling 6545under ABD and Pan-City components of Smart City Mission (SCM).

Karimnagar Smart City Corporation Limited (KSCCL) has appointed M/s Aarvee Associates Architects Engineers & Consultants Private Limited in consortium with M/s PricewaterhouseCoopers (PwC) Private Limited as Project Management Consultant (PMC) to Design, Develop, Manage & Implement Smart City Projects in Karim Nagar, Telangana.

1.4 Authority issuing Invitation for EOI

The Karimnagar Smart City Corporation Limited (the Authority) wishes to incorporate the various Items such as Artistic Painting, Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Sculptures, Irrigation Works in the Circus Ground.

The Authority reserves the right to reject any or all the Quotations received without assigning any reason.

Point of contact for any queries related to the EOI:

Sri. Krishna Rao

Superintending Engineer

Telephone / Mobile: +91-98499-06691

Mail:mdksccl@gmail.com; tlkarimnagar@aarvee.net

All **interested respondents are expected to read carefully all instructions, forms, terms and conditions and other details in this document**. The respondents are also expected to have a detailed site visit and study of all the proposed project site/location. Failure to furnish the complete information Pertaining to the particular part of BOQ may lead to rejection of the quotation of the respondent.

1.5 Eligibility

a) The invitation is open to all entities that are Sole Proprietorship, or Partnership Firms or companies or agencies that are registered under appropriate category.

b) The respondent should be operational continuously for the Last one year as on the date of submission.

c) The respondents may be an independent single entity or a joint venture or a consortium/association of entities;

d) In the case of a joint venture / consortium the name of the entity that is the “Lead Partner/Lead Member” should be clearly stated in the Quotation.

e) The number of entities in a joint venture/consortium/association is limited to 3 (Three).

f) The respondent (single independent entity or any partner/member of a joint venture / association / consortium) should not have been blacklisted / debarred by any donor agency/State Government/Central Government or its agencies in India or abroad and if blacklisted/debarred for a particular time, such bar (blacklisted/debarred) should not be applicable as on the date of submission of the Quotation.

g) The respondents are expected to be Distributors/Manufacturers who can meet the scope of work in total.

h) Decision of the Authority, regarding the eligibility, is final and binding.

1.6 Invitation of this Quotation Conditions

a) The respondents can quote for any single part or all the parts that the respondent is capable of executing the works.

b) This request for Quotation is not an offer and does not carry any commitment to engage a private partner who submits the same or any other commitment related thereto.

c) The Authority reserves the right to withdraw this request for Quotation and change or vary any part thereof at any stage if the Authority feels that such action is in the best interest of the Project. Decision of the MD KSCCL is final and binding in this regard.

d) Timing and sequence of events resulting from this request for Quotation shall ultimately be determined by the Authority.

e) Each interested single independent entity, any partner in case of a joint venture or any member in case of an association/consortium shall submit only one Quotation.

f) For all the Quotations received before the last date and time prescribed for submission, the proposals and accompanying documentation will become the property of Authority and will not be returned after opening of the proposals. Authority shall not be bound by any language in the proposal indicating the confidentiality of the proposal or any other restriction on its use or disclosure. Authority is not restricted in its rights to use or disclose any or all of the information contained in the proposal and can do so without compensation to the respondents who have submitted their Quotations.

g) The respondent shall ensure that the proposal is complete in all respects and conforms to all requirements indicated in this invite document.

1.7 Submission of Quotation

Interested entities who meet the eligibility conditions set forth in this document, may furnish their Quotation with all the necessary documents in a sealed envelope super-scribed **"Quotation for Various Items such as Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Irrigation**

Works, EPDM for Play field, Lighting works, Boom barrier, Tree house, Musical fountain, CCTV camera, Tensile structure for Parametric pavilion, Drinking water ATM at Development of Park at MPS in Karimnagar under Smart City Mission"

duly signed by an authorized signatory on or before as per key dates to the following address and obtain acknowledgement of submission for the same:

Managing Director & Chief Executive Officer

Karimnagar Smart City Corporation Limited

C/O KARIMNAGAR Municipal Corporation, Opp:

TSRTC Bus-stand KARIMNAGAR 505001,

Telangana India.

E-mail: mdksccl@gmail.com;

tlkarimanagr@aarvee.net

Mobile: +91-9849906691

Note:

1. Incomplete Quotation's will be rejected.
2. The Authority reserves the right to extend the Quotation submission date.
3. The Authority reserves the right to verify the furnished details & documents at any point of time as may be determined by the authority, furnished by the respondents independently and also reserves the right to reject any proposal without assigning any reason thereof in the interests of effective implementation of the project.

1.8 Detailed Bill of Quantities (BOQ) along with Detailed Specifications

Part "A" through Part "N".

PART "A" - Supply, Delivery, Installation, Commissioning of items related to the Entrance and Internal sign boards

Entrance Sign Board

S. No	Description of item	Qty
1	Supply,delivery and installation of OPEN LED SIGNAGE IN MPS PARK • Acrylic Laser cutting 3MM Thickness • 3MM Acrylic Walling • Female of ACP Laser cutting sheets • Gold Engraving sheet pasting on the sheet • 9MM Open LED pixel fixing on Engraving sheet • 400 watts (1 yr. Warranty) Rainproof Power supply of • per l 000 LED one Power supply • etter fixing on site with selfthread scroos • 18" Inches x 30' feet approxments • 2 no's Logos Inner led Samsung Branded.. • Total working with material cost ● Including 2years warranty for the entire unit.	1 job

Internal sign Board

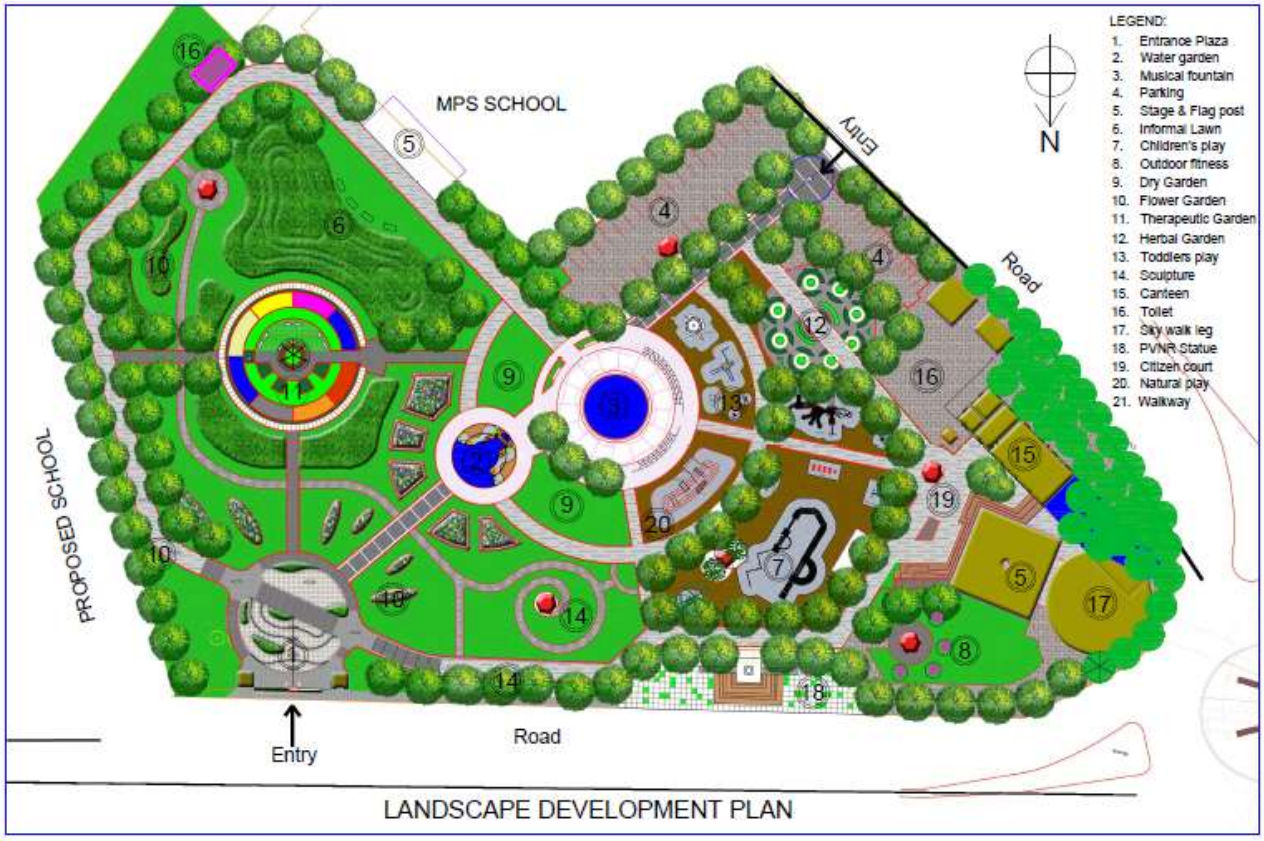
We are enclosing the layout drawing with Amenities in the description legend. We are offering you to provided the various designs with detailed specifications along with your quotations. Should consider the design with below mentioned.

a) Way finding signage

b) Informative signage

c) Safety signage

Note: Minimum 2 years of warranty shall be assured by the respondent.



Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

PART "B" - Supply, Delivery, Installation, Commissioning of items related to the Landscape and plantation works

S. No	DESCRIPTION	UNIT	QTY/No.
1	Supply,Planting and stacking **of Tecoma Gaudi Chaudi** plant of height 100-120 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge	Each	1.00
2	Supply, Planting and Stacking **of Ficus Religiousa** plant of height 120-150 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
3	Supply and stacking **of Terminalia Mantaly** plant of height 150-165 cm. in big polybags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
4	Supply and stacking **of Plumeria Alba** tree of height 120-150 cm. with 3-4 branches and thick stem in big size HDPE bags including transportation Complete as per direction of the officer-in-charge.	Each	1.00
5	Supply and stacking of **Plumeria Singaporensis** tree of height 80-100 cm. with 3-4 branches and thick stem in big size HDPE bags including transportation Complete as per direction of the officer-in-charge.	Each	1.00
	PALMS		
1	Providing and displaying **of Washingtonia Palm plant**, having ht.120 cm to 150 cm with 15 to 18 equal suckers, well developed, full of fresh and healthy leaves from bottom to top including transportation Complete as per direction of the officer-in-charge.	Each	1.00
	CLIMBERS & CREEPERS		
1	Providing and Displaying **Quisqualis indica** well developed with fresh & healthy 30 to 45 cm ht including transportation Complete as per direction of the officer-in-charge.	Each	1.00
2	Providing and Displaying **Phyllanthus Cochinchinensis** well developed with fresh & healthy 30 to 45 cm ht including transportation Complete as per direction of the officer-in-charge.	Each	1.00
3	Providing and Displaying **Vernonia elliptica** well	Each	1.00

S. No	DESCRIPTION	UNIT	QTY/No.
	developed with fresh & healthy 30 to 45 cm ht including transportation Complete as per direction of the officer-in-charge.		
	SHRUBS AND GROUND COVERS		
1	Providing and displaying of **Murraya Panniculata** plant, having ht. 30 cm to 45 cm, well developed, fresh and healthy foliage including transportation Complete as per direction of the officer-in-charge.	Each	1.00
2	Providing and Displaying **Tabernaemontana** variegated plant well developed with fresh & healthy foliage 30 to 45 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
3	Providing and Displaying **Golden Duranta plant** well developed with fresh & healthy foliage 30 to 45 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
4	Providing and **Displaying Ixora Coccinea dwarf** pink plant well developed with fresh & healthy foliage 30 to 45 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
5	Providing and stacking of **Zephyranthes Candida "White"f**ull of leaves in 15cm size of poly bags &as per direction of the Officer-in-charge.	Each	1.00
6	Providing and Displaying **Osmoxylon Lineare** plant well developed with fresh & healthy foliage 5 to 6 big ball 115 to 180 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
7	Providing and Displaying **Spathiphyllum Cannifolium** plant well developed with fresh & healthy foliage 30 to 45 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
8	Providing and Displaying **Schefflera Arboricula** plant well developed with fresh & healthy foliage 30 to 45 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
	OXYGEN GARDEN		
1	Supply, Planting and Stacking of **ficus benghalensis** plant of height 120-150 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
2	Supply, Planting and Stacking of **Neem tree plant** of	Each	1.00

S. No	DESCRIPTION	UNIT	QTY/No.
	height 120-150 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.		
3	Supply, Planting and Stacking **of Snake plant** of height 120-150 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
4	Providing and Displaying **Areca palm plant** well developed having 20 to 25 fresh & healthy leaves 90 to 105 cm ht including transportation Complete as per direction of the officer-in-charge.	Each	1.00
5	Supply, Planting and Stacking of **Syzygium Cumini** tree plant of height 120-150 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
6	Supply, Planting and Stacking of **Sansevieria trifasciata** plant of height 45-60 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
7	Supply, Planting and Stacking of **Ocimum tenuiflorum** plant of height 45-60 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
8	Supply, Planting and Stacking of **Alstonia Scholoris** plant of height 120-150 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
9	Supply, Planting and Stacking **of Chlorophytum** plant of height 15-30 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
10	Supply, Planting and Stacking of **Saraca Asoca** plant of height 120-150 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
	WATER GARDEN		
1	Supply **of Nymphea Sp** plant with pots of height 20-30 cm. including transportation Complete as per direction of the officer-in-charge.	Each	1.00
2	Supply **of Thalia dealbata** plant with pots of height 60-75 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the	Each	1.00

S. No	DESCRIPTION	UNIT	QTY/No.
	officer-in-charge.		
3	Supply, Planting and Stacking **of Cyperus Alternifolius** plant of height 60-75 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
	HERBAL GARDEN		
1	Supply, Planting and Stacking **of Lawsonia inermis** plant of height 30-45 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
2	Supply, Planting and Stacking of **Hibiscus "pink tip**" plant of height 60-75cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
3	Supply, Planting and Stacking of **cymbopogon citratus"** plant of height 30-45 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
4	Supply, Planting and Stacking of Ornamental **Lavendar"** plant of height 30-45 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
5	Supply, Planting and Stacking of Andrographis **Paniculata** plant of height 30-45 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
6	Supply, Planting and Stacking of **Thai Basil plant of** height 30-45 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
7	Supply, Planting and Stacking of **Citrus species** plant of height 75-90 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
	FOCAL PLANT		
1	Supply and planting **of Dracaena Draco plant** of height 75-90 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
2	Supply and planting of **Cycus plant** of height 60-75cm. in big poly bags of size 25 cm including transportation Complete as per direction of the	Each	1.00

S. No	DESCRIPTION	UNIT	QTY/No.
	officer-in-charge.		
3	Supply and planting of **Ficus Topiary** plant of height 90-120 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
4	Supply and planting **of Furcraea Foetida** plant of height 30-45 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00
5	Supply and planting of **Juniperus Chinensis** plant of height 90-120 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	Each	1.00

Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

PART "C"- Supply, Delivery, Installation, Commissioning of items related to the Play Equipment for Children

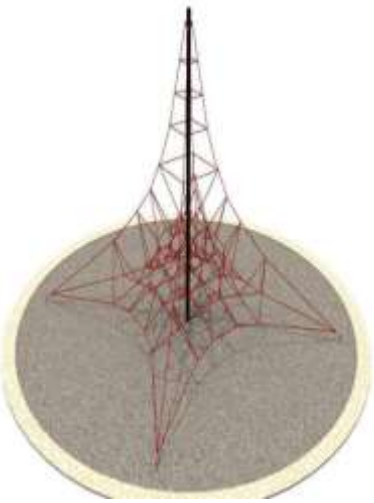
S. No	Product Description	Amount
1	**Four Seated Arc Swing(PGSS 01)** The Arc swing frame 6000mm long 80NB Pipe bent in Single Piece & welded together with a flange 5mm thick & ISA of 40x40x5mm to form a strong frame. The 80NB pipe is hot dip galvanized pipe conforming to IS 1239 with GI thickness of 60µ. Height of the frame is 2700mm.Top pipe: 50NB Top Pipe with two Arc Swing Flanges welded at both its ends. Pipe can withstanding torsional stress created due to swinging motion. These 50NB top pipe is hot dip galvanized pipe of length 2950mm conforming to IS 1239 with GI thickness of 60µ. Seat assembly : 1) Swing clamp assembly: Swing clamps made up of two parts are joined together with M6 Allen bolts along with S-Hook & a specially designed swing pin. The S-Hook is specially designed to house a bearing for smooth & noiseless swinging. The clamps are made From injection moulded Nylon-6 plastic. 2) Chain: Rubber dip moulded swing chain of dia. 6mm & 1450mm Long. 3) Hook: S-Hook of die 8mm & 145x130 Triangular hook of Grade SS 304. 4) Seat: Rubber Seat made by Natural Rubber with sufficient reinforcement. Bearing: Bearing is self-lubricated made of SKF/ NTN/ NACHI make shall be provided for smooth & trouble-free movement.	

S. No	Product Description	Amount
	•Pins and Circlips: 12mm diameter pins shall be made from EN8 material & Circlip A10. Pipe Materials or Class: Light Duty ('A' Class) &Medium Duty ('B' Class) Series of pipes only. Wall thickness of pipe varies according to class/series of pipe used. Powder coating: It shall be done with pure polyester raw material. Dry film Thickness maintained within the range of 50-70 microns. It is tested for Adhesion test (According to ASTM-D-3359) with the help of cross hatch cutter instrument.	
2	**Walking Barrel (PGHT 08)** Support pipe: 2300mm long vertical 80NB hot dip Galvanized pipe conforming to standard IS 1239 & GI thickness up to 60µ. GI Plated ISF 210x50 is welded to the pipe for mounting Plummer block. •Roto walking barrel: Rotational Melded drum of Dia. 450 with longitudinal ribs for foot grip. •Plummer block: Single unit, pillow type cast housing Plummer Bock with specific number for aligning the centre pipe of Barrel on which Barrel is fixed. •Clamp: Two specially designed clamps joined together with SS 304 graded non rusting nut-bolts conforming to ASTM E-1086:1994, made from Nylon Grade-6 plastic. •Handle: Handle grip conforming to EN 1176-1:1998 attached with 80x20 nylon clamp of Grade-6 clamped to the Deck pipe using SS 304 graded non rusting nut-bolts. Pipes: All metal pipes are Hot Dipped Galvanized Pipes conforming to IS 1239 (Part 1) with GI thickness of 60micron. •Pipe Materials or Class: Light Duty ('A' Class) & Medium Duty ('B' Class) Series of pipes only. Wall thickness of pipe varies according to class/ Series of pipe used. •Powder coating: It shall be done with pure polyester raw material. Dry film Thickness maintained within the range of 50-70 microns.it is tested for Adhesion test (According to ASTM-D-3359) with the help of cross hatch cutter instruments.	

S. No	Product Description	Amount
3	**Roto Crawl Tube (PGKD 19)** This Roto Crawl tube Support pipe :80NB hot dip galvanized pipe of 1480mm length conforming to IS 1239 with GI thickness upto 60µ Roto tube & Entry: The tube is made up of LLDPE by rotational moulding process. Two halves are joined together to form a single tube. Two rotational moulded entries are provided at both the ends. The sides of the tunnel are provided with slots for outside view for the children while crawling. Tube size -dia760 x 1150 mm .Entry size - 1100 x 970mm..(The ROTO products are manufactured using material LLDPE (Linear Low Density Polyethylene) with UV stabilization of Food Grade Non Hazardous Plastic compiled to ROHS. Thickness of the ROTO products varies from 5 mm to 8 mm as per the product. The overall product obtain is a seamless to ensure perfect blend of uniform thickness & durability.) Pipes: All metal pipes are Hot Dipped Galvanized Pipes conforming to IS 1239 (Part 1) with GI thickness of 60micron. Clamp: Two specially designed clamps joined together with SS 304 graded non rusting nut-bolts conforming to ASTM E-1086:1994, made from Nylon Grade-6 plastic. Powder coating: It shall be done with pure polyester raw material. Dry film Thickness maintained within the range of 50-70 microns.it is tested for adhesion test (According to ASTM-D-3359) with the help of cross hatch cutter instruments.	
4	**Slide and Rocks on Mound** In This Slide And Rock on Mount the **Roto Wave Slide 5'ht**: ROTO Wave Slide is made up of LLDPE by Rotational Moulding Process. The landing of the slide is supported by stand made up of 20 NB pipe and 5mm thick MS plate with GI plating. **Climbing Rocks:-** Climbing rocks are made up of FRP (Fibre Reinforced Plastic)/ any other Plastic. **FRP (FIBER REINFORCED PLASTIC):-** All the Fibre Reinforced Plastics (FRP) materials are processed by the hand laid process which is considered to be the best of its type. We use International quality Gel coats which are duly mixed with U.V 16 stabilized pigment to give the required color to the product. Thickness of the FRP material varies from 3 mm to 5 mm as per the product. The FRP material is tested for abrasion resistance & UTS (ultimate tensile test). **LLDPE (LINEAR LOW DENSITY POLYETHYLENE):-** The ROTO products are manufactured using material LLDPE (Linear Low Density Polyethylene) with UV stabilization of Food	

S. No	Product Description	Amount
	Grade Non Hazardous Plastic compiled to ROHS. Thickness of the ROTO products varies from 5 mm to 8 mm as per the product. The overall product obtain is a seamless to ensure perfect blend of uniform thickness & durability. **Pipes:** All metal pipes are Hot Dipped Galvanized Pipes with GI thickness of 60micron. **Powder coating:** It shall be done with pure polyester raw material. Dry film Thickness maintained within the range of 50-70 microns. It is tested for Adhesion test (According to ASTM-D-3359) with the help of cross hatch cutter instruments. **Nut and Bolts:** Galvanized/ S.S./Allen Bolt/Button Head Allen Bolt & Nuts / Nylon Lock Nuts are used with PVC Bolt Caps. All open ends of pipe been closed by GI / PVC caps for user safety against entrapment.	
5	**Non Bump See Saw** The unit shall be fabricated from MS sheet to BS 1449,MS tubing to BS 1387 Casting to Grey Cast iron to BS 1452, All Metal components will be protected with low lead powder paint (within the meaning of The Toy and Safety Regulations 1364 of 1974 and Pencil and Graphics Regulations And the non-bump see-saw incorporates a completely enclosed, inter-connecting link mechanism that prevents it from coming to a complete stop causing children to become lifted from the seat. The non-bump see-saw is designed to also prevent children from trapping fingers or limbs.	
6	**Camel Spring Rider** Mobile body shall be manufactured from polyethylene. Fastenings where applicable shall be non-standard (anti-vandal) and plated for protection. Ride through the desert on the back of this happy Camel Springier! Our Camel Springier is rotationally moulded and uses recyclable polyethylene with an inner steel reinforcement core. The Camel Spring Mobile makes an extremely popular addition to any playground.	
7	**Toddler Express** The Toddler Express Panels: 19 & 12mm Thick HD Polyethylene, 100% Recyclable, Non-Toxic & Complies with EN71 Standards Steel Components: Made from steel to BS 9070 Part 1 (1983) Welds: Copper free wire conforming to 901 AIB for mild steel.	

S. No	Product Description	Amount
	Base: Aluminium 5 bars tread plate x 3mm thick. Fixings: Nonstandard to deter vandalism & plated for weather protection.	
8	**Scramble Bike** Panels: 19mm Thick HD Polyethylene, 100% Recycleable, Non-Toxic & complies with EN71 Standards. Seat: 19mm Thick HD Polyethylene, with Non-Slip textured rubber coating. Steel Components: made from steel to BS 9070 Part 1 (1983). Metal Parts: Coated with low lead polyester paint to BS EN71 part 3 (1995).Fixings: Nonstandard to deter vandals & plated for corrosion resistance.	
9	**Fits cape MAPS** The Inclined Slide is made up of LLDPE (Linear Low Density Polyethylene) by Rotational moulding process.**2 Way Mini Slide:-** 2 Way Mini Slide is made up of LLDPE (Linear Low Density Polyethylene) by Rotational molding process. **Hexa Climber:-** Hexa Climber is of Hexagonal shaped and it is made up of Galvanized pipe bends and Net/ ropes. It has various activities to play on each side of the Hexagon.**2 Way Mini Slide:-** 2 Way Mini Slide is made up of LLDPE (Linear Low Density Polyethylene) by Rotational molding process. **S Loop Climber :-**S Loop Climber is made up of Galvanized Pipes. **Wall Climber:-**Wall of the Wall Climber is made up of LLDPE (Linear Low Density Polyethylene) by Rotational molding process. Wall is supported with the help of Galvanized Pipes. **Disc Steps:-** Disc Step is made up of LLDPE (Linear Low Density Polyethylene) by Rotational molding proces. It has Springs on the bottom side. **A Line Climber :-** A Line Climber is made up of Galvanized Pipes. **Loop Hole Climber:-** Loop Holes of the Loop Hole Climber are made up of LLDPE (Linear Low Density Polyethylene) by Rotational moulding process. These Loop Holes are supported with the help of Galvanized Pipes. **Ring Climber:-** Ring of the Ring Climber is made up of LLDPE (Linear Low Density Polyethylene) by Rotational molding process. Ring is supported with the help of Galvanized Pipes. **Pipes:-** All metal pipes are Hot Dipped Galvanized Pipes conforming to GB/T 13793-2008 with thickness of 2mm. **Powder coating:-** It shall be done with pure polyester raw material.Dry film Thickness maintained within the range of 50-70	

S. No	Product Description	Amount
	microns. It is tested for adhesion test (According to ASTM-D-3359) with the help of cross hatch cutter instruments. **Nut and Bolts: -** Galvanized/ S.S./Allen Bolt/Button Head Allen Bolt & Nuts / Nylon Lock Nuts are used with PVC Bolt Caps. All open ends of pipe been closed by GI / PVC caps for user safety against entrapment.	
10	**Peak Climber** **Pyramid Structure:** Pyramid Structure is made up of high quality Nylon Ropes. **Nut and Bolts:** Galvanized/ S.S./Allen Bolt/Button Head Allen Bolt & Nuts / Nylon Lock Nuts are used with PVC Bolt Caps. All open ends of pipe been closed by GI / PVC caps for user safety against entrapment. **Pipes:** All metal pipes are Hot Dipped Galvanized Pipes with thickness of 2mm. **Powder coating:** It shall be done with pure polyester raw material. Dry film Thickness maintained within the range of 40-70 microns. It is tested for adhesion test (According to ASTM-D-3359) with the help of cross hatch cutter instruments. **Certificate:** ISO 9001:2015 TUV **Packaging:** Combination of EPE foam+HDPE+ Stetech/Shrink wrap or Blanket + stretch/shrink wrap	
11	**Mini Matrix** Solid steel components to BS 970 Pt 1 Steel nominal bore tube (medium) to BS 1387 Aluminium casting made from LM6M Aluminium extrusion made from 6063A T6 Stainless steel to BS 1449 Pt 2 19mm thick HD polyethylene 100% recyclable non-toxic and complies with EN 71 19mm thick HD polyethylene 100% recyclable non-toxic with a textured non-slip surface one side and complies with EN 71 Standard fixings are plated and made to either BS 3692 or BS 4190 Non-standard fixings are anti-vandal and corrosion resistant Welds are from copper-free wire to BS EN 440 Low lead polyester powder paint to BS 71 Pt 3 Anodising to BS 3987	
12	**Dizzy disc** These 375mm (1’3″) diameter rubber Spinning Discs help develop balance and co-ordination skills. Spinning disc is manufactured from non-slip rubber, with a 440 mm galvanised steel post complete with fitted bearing.	

S. No	Product Description	Amount
13	**Kappa Trail :** Designed to encourage physical development in a fun yet challenging way and perfect for keeping youngsters fit and trim, this produced from high quality timber from sustainable sources and this timber features include balance beam, clatter bridge, Full log traverse, Link beam Crossed Rope walk, inclined balance beam and jigsaw traverse wall and are made of with high pressure trated 'Play grade' timber HDPE plastic climbing panels log Traverse Rope Set	
14	**Terragio MAPS** **Platform:-Material:-** FRP (Fiber Reinforced Plastic) with anti-skid surface on top. **Thickness:-** Minimum thickness of 3-5 mm and side flanges of 6-8 mm thickness **Size:-** Center to center distance 1160mm. **Others:-** Ribbed structure on bottom side **Shape:-** Square **Brazing Frame:-** ISA 25x25x5mm thick and ISF 40x5mm thick which is galvanized and then duly Powder Coated. **Clamp:-** Made by Nylon 6 material by Injection Moulding Process which is UV stabilized and having better strength to give support to other parts. **Vertical Pipes:-** 100NB GI pipes. Wall thickness as per the class of pipe used **FRP Plain Bridge 2.4mtr Long:-** Size:- 2400mm Material:- FRP (Fiber Reinforced Plastic) with a minimum thickness of 3-5mm. Ribs are provided at defined distance to improve strength as well as aesthetics of the bridge.**Bridge Railing:-** Railings are provided on both sides of bridge as barrier for safety purpose. It is made up of LLDPE (Low-Density Polyethylene Plastic) in rotational molding process and has a support of 20 NB powder coated GI pipes. The railing is attached to the support pipe using an Injection Molded Nylon Clamps. **Swinging Bridge:-** Size:- 2400mm Material:- Frame - 80NB GI pipes and GI plated MS angles of 75x75x5mm. Planks - Low-Density Polyethylene Plastic in rotational moulding process. ROTO Planks in same or different colors are suspended with the help of 12mm galvanized chains & specially designed clamps made up of 16SWG M.S. sheet. These chains are mounted on 'U' hooks. 12mm dia U Hooks are welded on the inner side of the M.S. angles and other side of the U hook is grinded. **ROTO Tunnel 2.4mtr Long:-** Size:- 2400mm Material:- Low-Density Polyethylene Plastic with UV stabilization 16 in rotational molding process with a minimum thickness of 5-6mm. Outer diameter of the tunnel is 860mm . Each half of the Tunnel is 1160mm long. ROTO Tunnel is	

S. No	Product Description	Amount
	assembled with ROTO slide entry with the help of Non-rusting S.S. Nuts and Bolts which in turn clamped by 80x20 Injection Moulded Nylon Clamps. Six Holes are provided on top surface for ventilation purpose. **ROTO Staircase 3ft HT:-** The staircase is made up of totally in LLDPE (Linear Low Density Polyethylene). The ROTO Staircase has a sufficient reinforcement to maintain strength and avoid bending. The top surface of the staircase is anti-skid to avoid slippery movements. Handrails are inbuilt in mold itself. Handrails have sufficient reinforcement to maintain strength and avoid bending. Overall width of the staircase is around 1000mm and height is around 1500mm including handrails with allowable shrinkage. **FRP Ladder 7ft:-** Size:- 7 Ft Material:- FRP (Fiber Reinforced Plastic) with a minimum thickness of 3-5mm. The top surface of the ladder is anti-skid to avoid slippery movements. There is also provision for Handrails on ladder for better grip. The ladder is supported by stand made up of 25NB G.I. pipe and 50x10mm thick flat from the bottom. **FRP Split Level Ladder:-** Material:- FRP (Fiber Reinforced Plastic) with a minimum thickness of 3-5mm. The top surface of the ladder is anti-skid to avoid slippery movements. The Ladder is directly bolted to platform and is supported by 50x5 MS flat with GI plating. **FRP Mini Wave Slide 3' Ht:-**Wave Slide chute is made up of FRP. The chute has its end such as it causes safe landing of the child. The landing portion is horizontal with respect to the ground. The landing of the slide is supported by stand made up of 25NB pipe and 5mm thick MS plate with GI plating. **Roto Wave Slide 5'ht:** ROTO Wave Slide is made up ofLLDPE by Rotational Moulding Process. The landing of the slide is supported by stand made up of 20 NB pipe and 5mm thick MS plate with GI plating. **FRP Roller Slide:-** FRP Roller Slide is made up of FRP (Fiber Reinforced Plastic). FRP Roller Slide side arm have reinforced pins for assembling the rollers. Roller made from LLDPE Material. The most attractive and enjoyable of its kind. The slide chute consists of rotational molded plastic rollers spread over the length Roller provided with Nylon bush and are mounted on 12 mm dia rod and are fixed inside the slide chute. **ROTO Spiral Slide 7ft:-** The slide is completely made up of one piece with a thickness of 5-8mm keeping in consideration the ASTM & EN standards. The material used is LLDPE (Low-Density Polyethylene Plastic) in Rotational moulding process. Spiral slide railings consists of 20NB hot dip galvanized pipe bended to form frame with two pairs of clamps joined together to GI Pipe with SS 304 graded non rusting nut-bolts, made from Nylon Grade-6 plastic.The ROTO moulded plastic bush & ROTO moulded slim	

S. No	Product Description	Amount
	railing are inserted into the pipe frame in alternate pattern. The railing frame is bolted to Spiral slide platform with 20NB GI support pipe bolted to platform at one end & clamped with special nylon clamps to railing pipe frame.**ROTO Slide Entry:-** Slide Entry of the slide is made up of LLDPE (Linear Low Density Polyethylene) by Rotational moulding process.It is attached to deck pipe with the help of 20NB GI pipes and Injection Molded Nylon Clamps. **S Loop Climber:-**The vertical frame of the S Loop Climber is fabricated out of 100NB, 50NB and 20NB powder coated GI pipes respectively. Loops are hinged to top frame pipe with the help of S hook. The top pipe is made out of 50NB GI pipe which is bent in 'S' shape. The ladder used is designed to the side support pipe itself. Top frame is attached to deck pipe with the help of specially designed nylon clamps. **Net Climber:-** The net climber is made up of 16 mm dia Nylon rope attached by specially designed Nylon rope clamps. The ropes are provided to the pipe frame and are fabricated from 25NB GI pipes with 12 mm dia 'U' hooks. **MAPS Pod Climber:-** The vertical pole of thePod Climber is made up out of 40NB GI pipe. It is attached to vertical deck pipes with the help of 20NB GI pipe & specially designed nylon clamps. Pods are made up of LLDPE (Low-Density Polyethylene Plastic). **FRP Rock Climber:-** Central pad of ROCK Climber is made up of FRP (Fibre Reinforced Plastic). The rocks are mounted on platform and it has gradient from the ground. The Rock Climber is supported by stand made up of 25NB G.I. pipe and 50x10mm thick flat from the bottom. **Bubble Panel Railing:-** In this type of railing the bubble is made up of acrylic and the frame is made up of LLDPE (Low-Density Polyethylene Plastic). It provides an outer view of the area to the person present on that MAPS deck. It has been supported with a 20 NB powder coated GI pipes. The railing is attached to the support pipe using an Injection Molded Nylon Clamps. **ROTO Cross N Zero Railing:-** This item provides brain washing experience to the children and enhances their tactical strength by providing them a intelligent game. The prisms for the "X" and "O" and also the frame of this item are made up of LLDPE (Low-Density Polyethylene Plastic) in rotational moulding process. The prisms are fixed on powder coated GI pipe frame of 20 NB and 15 NB pipes. **ROTO Cupola Canopy:-** Cupola Canopy is made up of LLDPE (Low-Density Polyethylene Plastic). It is made in two parts; Top Dome & Base. Top Dome is bolted to Base part with the help of non-rusting bolts & nuts.Base part has 4 legs which has center to center distance as 1160mm. **ROTO Tile Canopy:-** Tile Canopy is made up of	

S. No	Product Description	Amount
	LLDPE (Low-Density Polyethylene Plastic). It has 4 legs which has center to center distance as 1160mm. **ROTO Window Canopy:-** Window Canopy is made up of LLDPE (Low-Density Polyethylene Plastic). It has 4 legs which has center to center distance as 1160mm. It shall have provision for Flag/ Character at the top. **MAPS Double Swing:-** In the double swing the leg support is made up of 40 NB GI pipes and top pipe is of 50 NB GI pipes with GI junction box with powder coating. The swing seats are made up of 10mm thick antiskid chequered reinforced rubber top. The rubber belt seat is suspended on 6mm rubber coated GI chain. The ball bearings are mounted inside a specially designed nylon clamp. **FRP (FIBER REINFORCED PLASTIC):-** All the Fibre Reinforced Plastics (FRP) materials are processed by the hand laid process which is considered to be the best of its type. We use International quality Gel coats which are duly mixed with U.V 16 stabilized pigment to give the required color to the product. Thickness of the FRP material varies from 3 mm to 5 mm as per the product. The FRP material is tested for abrasion resistance & UTS (ultimate tensile test). **LLDPE (LINEAR LOW DENSITY POLYETHYLENE):-** The ROTO products are manufactured using UV stabilization of Food Grade Non Hazardous Plastic material LLDPE (Linear Low Density Polyethylene) compiled to ROHS. Thickness of the ROTO products varies from 5 mm to 8 mm as per the product. The overall product obtain is a seamless to ensure perfect blend of uniform thickness & durability. •**Pipes:** All metal pipes are Hot Dipped Galvanized Pipes with GI thickness of 60micron. •**Powder coating:** It shall be done with pure polyester raw material. Dry film Thickness maintained within the range of 50-70 microns. It is tested for adhesion test (According to ASTM-D-3359) with the help of cross hatch cutter instruments.	

Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.

PART "D"- Supply, Delivery, Installation, Commissioning of items related to the Drip / Sprinkler irrigation System

We are enclosing the layout drawing with Plantation and Greenery accordingly you can Propose the irrigation network drawing along with your quotations. Should consider the design with below mentioned.

1. Filtration / Venture Unit.
2. Safety/ Control Unit.
3. HDPE Piping Network For mainline/ Sub mainline
4. Popup Sprinklers, hydrants and Fittings
5. Inline Drip Tubing and Fittings.
5. Automatic System
6. Irrigation pump
7. Trench Excavation and back filling in soft soil.

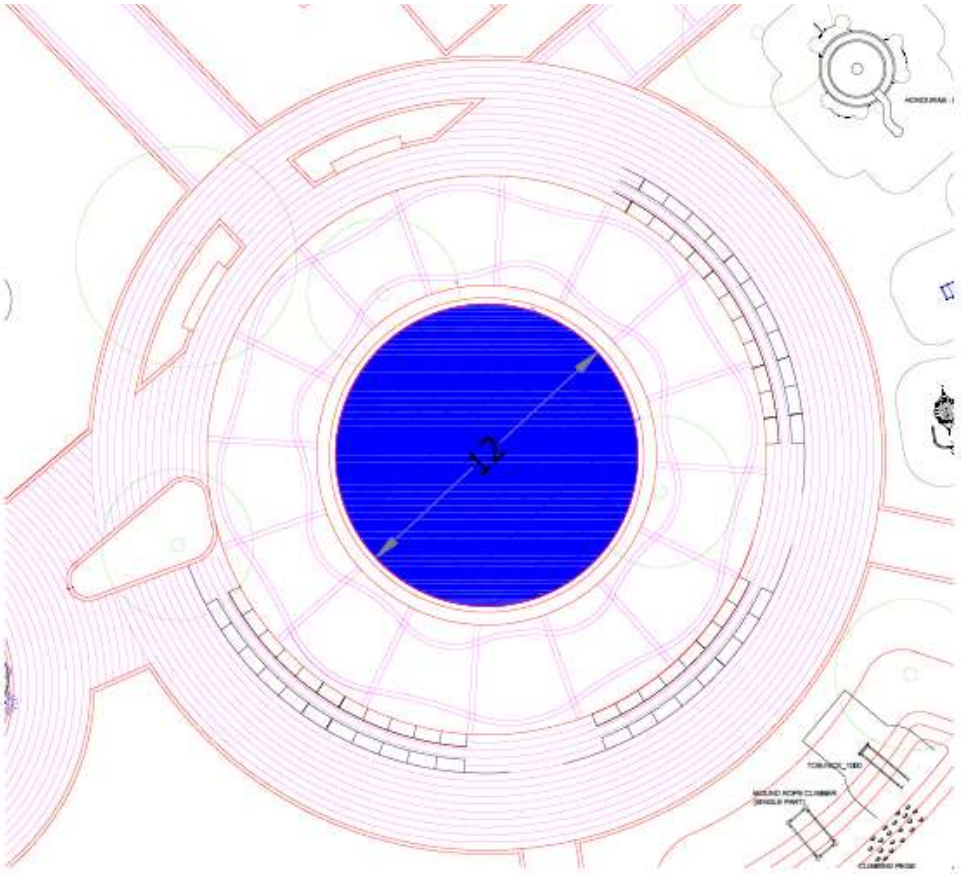
Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST

shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.

PART "E"- Supply, Installation, Commissioning of items related to the 12 meters Circle Musing dancing Musical fountain

We are enclosing the layout drawing and the specified location of allocated circular space of 12m inner dia. accordingly you can Propose your drawings and various design options with animated video along with your respective quotations. With respective you can add the Operation and maintenance with one year period. We are arranging the space for panel boards, Electrical items. Hence you need not consider civil items.



Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.

PART "F"- Supply & Installation/Surfacing, Commissioning of EPDM safety flooring with 36mm thk at Children play area location.

S. NO	Description	QTY
1	Supply, Delivery, Installation & Commissioning of EPDM layer of thickness 6mm & 30mm of Rubber crumps or SBR Layers at the location of children play area including transportation and all other charges excluding GST to the site as per the directions of the Engineer-in-charge.	1 Sqm

Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.

PART "G"- Supply, Delivery, Installation and Commissioning of Automatic boom barrier with POS system Width of 4.5m at the parking entrance.

Below Mentioned are the required Boom barrier system with specific elements. Accordingly we are expecting design proposal with Quotations.

1. Boom Barrier- Straight 4.5 mtr, 90 degree, Voltage 220 V, Motor Power 80w, Working Temperature -35 to 75 degree C, Protection Grade IP54
2. Entrance control Box (with all SMPS, Switches and accessories)
3. Standard Card Reader
4. Controller for card reader
5. Parking Fee Management software
6. Card issuer
7. Computer (Mother Board, UPS, Keyboard, Mouse etc)
8. Including Connectivity and electrical Cabling works.

Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.

PART "H"- Supply, Delivery, Installation and Commissioning of tree house near by Children's play area

We are providing Tree house reference image for your kind observation and accordingly you can Propose your drawings and various design options along with your respective quotations.

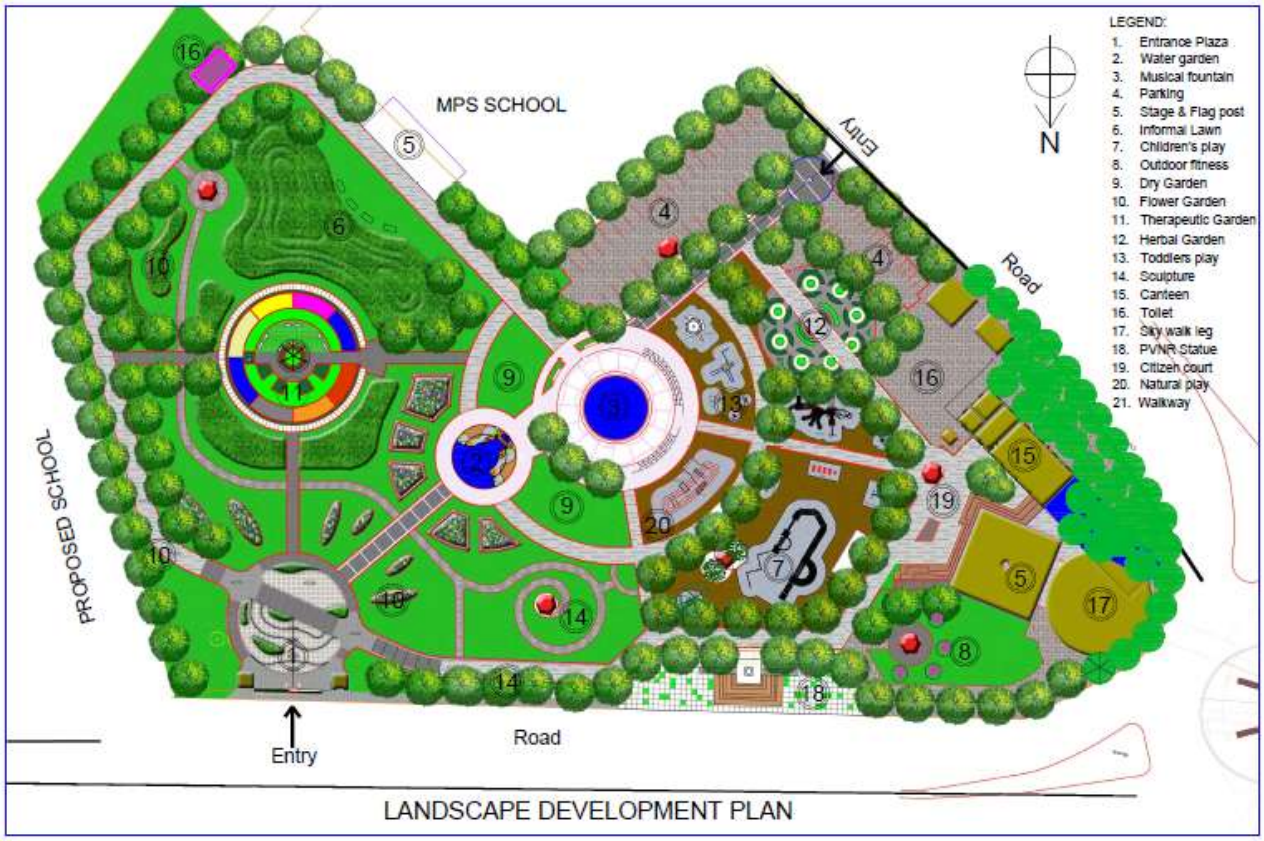
Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.

PART "I"- Supply, Delivery, Installation, Commissioning of items related to CCTV Surveillance throughout the Site area

We are enclosing the overall layout for your reference. We are inviting you to give proposal of CCTV surveillance system along with your quotations. Should consider the design with below mentioned specifications.

The CCTV surveillance system should consist of IP Fixed dome cameras, PTZ & fixed box cameras (outdoor type), software, server, power supply and cables. Video management software shall offer both video stream management and video stream storage management.



Note: All Rates shall be inclusive of all taxes and duties <u>but exclusive of GST</u>. GST shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.

PART "J'- Supply, Delivery, Installation, Commissioning of 150 Ltr/ Hr Reverse osmosis water purification system.

We here by inviting you various quotations pertaining to the RO system for internal use of park visitors. Hence we are providing the key features of the RO system hence quote respectively.

150 Ltr/ Hr Reverse osmosis water purification system (1 Unit / 1 set)

1. high pressure pump
2. vessel with carbon & silica
3. Raw water pump 0.5HP
4. UV filtration set
5. 200ltr SS Storage tank with all Accessories and transports.

Note: Shed and plumbing connection and Electrical points should be provide from site.

All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be extra

Note: Minimum 2 years of warranty shall be assured by the respondent.

Note: All Rates shall be inclusive of all taxes and duties <u>but exclusive of GST</u>.
GST shall be indicated separately by the respondent.

PART "K"- Supply, Delivery, Installation, Commissioning of items related to outdoor lighting works of Pathway, Seating features, Water features, Play area.

We are furnishing the specifications below, accordingly you can quote the respective design options and quotations.

1. Post Top Lantren 36W LED : Elegant lighting design, which is suitable classic architecture. Ideal for creating visual guidance and exceptional visual comfort. A sleek and minimalist shape provides distinctive lighting effects by night and decorative urban effect during the day Pole mounting height from 3000mm to 5000mm. •Luminaire made of extuded aluminium alloy (grade 6063) with diecast aluminium components and non-corrosive SS fasteners • Reflector system made of spun aluminium (powder coated white for high reflection). • EPDM gasket. •Non yellowing UV stabilized clear / translucent /acrylic / polycarbonate diffuser. •Spun Aluminium reflector for rotationally symmetrical downward distribution of light • GI mounting plate for bolting onto a foundation. Luminaire can be aligned on the mounting plate around 360°. • Cable entries for through-wiring of mains supply cable • Stainless steel 304 grade fasteners • Integral power supply • Earth connection • Safety class I • Protection class IP54 Color Temperature 4000 K. Warm White. • Dust tight and protection against water jets. • CE- Conformity mark

2. Step Light Integrated with 3W LED: The small scale of these luminaires makes them especially suitable for installation in step risers for both interior and exterior applications.The pathfinder are the perfect combination of aesthetic fixture design and optimum illumination performance. • Luminaire made of die cast aluminium / stainless steel with non corrosive SS fasteners. • Non yellowing UV stabilized translucent polycarbonate diffuser • Silicon gasket. • Reactor made of pure anodised aluminium • Industrial plastic Installation housing for preparing the recess opening in the wall / stairs. • Cable entries for through-wiring of mains supply cable (max. 3 x 0.5 Sqmm) • Integral power supply • Earth connection • Safety class I • Protection class IP65 Warm White with IP65 Color Temperature 3000 K. • CE- Conformity mark • Suitable for operation on 240V, 50Hz single phase ac supply

3. BOLLARD integrated with 6W LED : - Flat Top Translucent [Dimension : Ø166 x 970mm] integrated with 6W LED. Dark sky compliant protects pedestrians from glare, in

addition to preventing spill light above the horizontal plane.Fitting Colour: Graphite Grey/Black. LED Colour- Cool white/Warm White with IP65 [Dust penetration-protected, jet-proof] IK10 [20 J vandal-resistant], Color Temperature 3000 K. • Luminaire made of extuded aluminium alloy (grade 6063) with diecast aluminium components and non corrosive SS fasteners • Non yellowing UV stabilized translucent polycarbonate diffuser • Silicon gasket. • Reflector system made of pure aluminium (painted / anodised) /polycarbonate •Cast Iron / aluminium mounting plate for bolting onto a foundation. Luminaire can be aligned on the mounting plate around 360°. • Cable entries for through-wiring of mains supply cable • Integral power supply • Earth connection • Safety class I •Protection class IP 65 • CE- Conformity mark • Suitable for operation on 240V, 50Hz single phase ac supply • Finished with Pure polyester powder coated Graphite grey / Black.

4. LED Rope light : Every section includes three LEDs, Cut to the desired length and mount wherever required**.** 5 metres per roll, 120 LEDs per metre**.** Integrated with SMD 2835 LEDs.• Constant current LED driver (5Amp)• Colour rendering index (CRI) is >90• Protection class IP67 for LED strip• - Conformity mark• Low Voltage at 12V dc assures safety.• Ordering guide : KL-7289-CCT (Colour Temperature)• Available CCT WW : (2700K) , CW : (6000K)

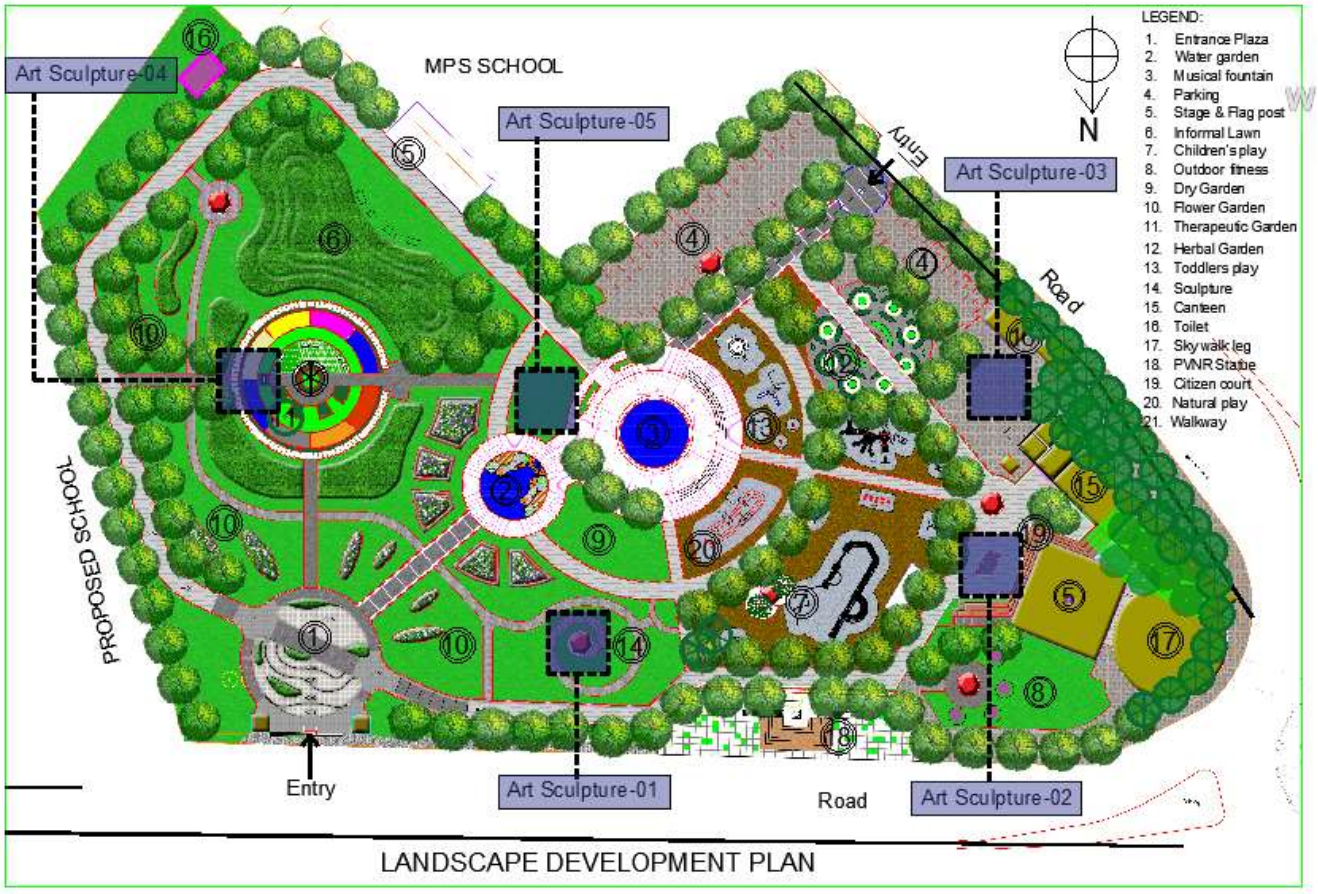
5. Under water light with 3 W LED: ● Complete housing made of marine grade stainless steel #316●PCB made of excellent heat conductivity aluminium, coefficient of heat conductivity =2.0w/mk●Luminaire hard wired for single colour 2 x 1.0Sq.mm 3 metres water resistant cable.●Requires remote power supply of 24Vdc.●Temperature of water between -20°C~40°C.●Recommended installation depth upto 1 metre below the water surface.●CE - Conformity mark

Note: Minimum 2 years of warranty shall be assured by the respondent.

Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

PART "L"- Supply, Delivery, Installation, Commissioning of items related to Art sculptures. (Proposed locations 5 nos pinned)

We are enclosing the layout drawing and the specified location of art sculptures. We here by inviting you the various quotations pertaining to the Art sculptures for park. The designs may be embodied in freestanding objects, in reliefs on surfaces, or in environments ranging from tableaux to contexts that envelop the spectator. An enormous variety of media may be used, including clay, wax, stone, metal, fabric, glass, wood, plaster, rubber, and random "found" objects. Materials may be carved, modeled, molded, cast, wrought, welded, sewn, assembled, or otherwise shaped and combined.

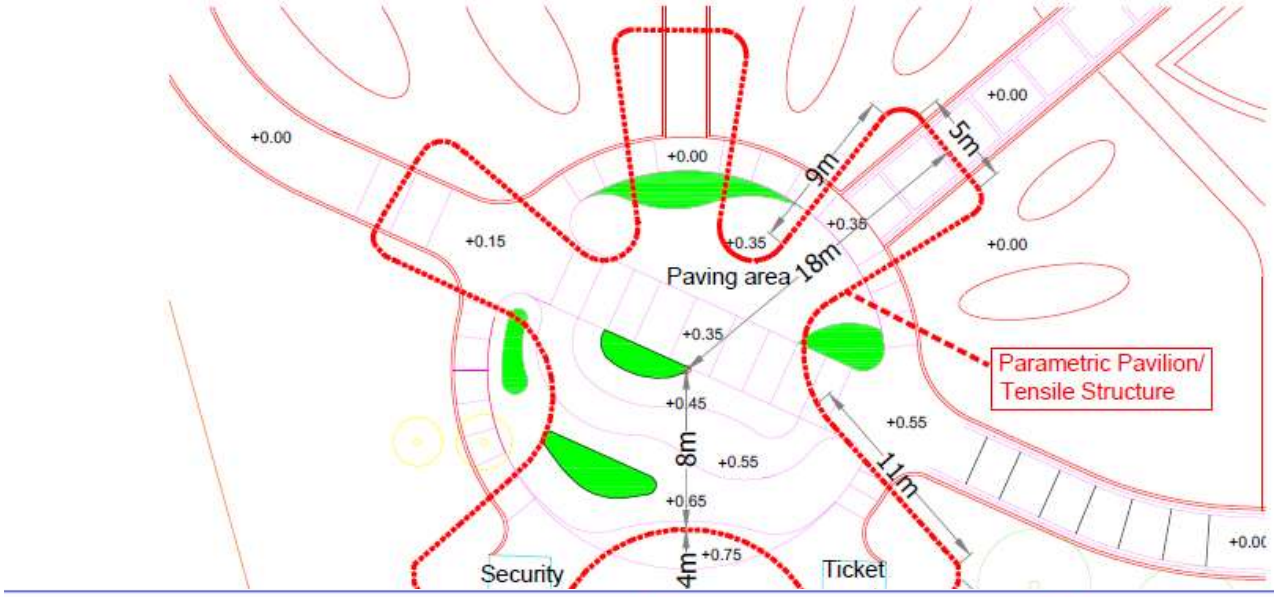


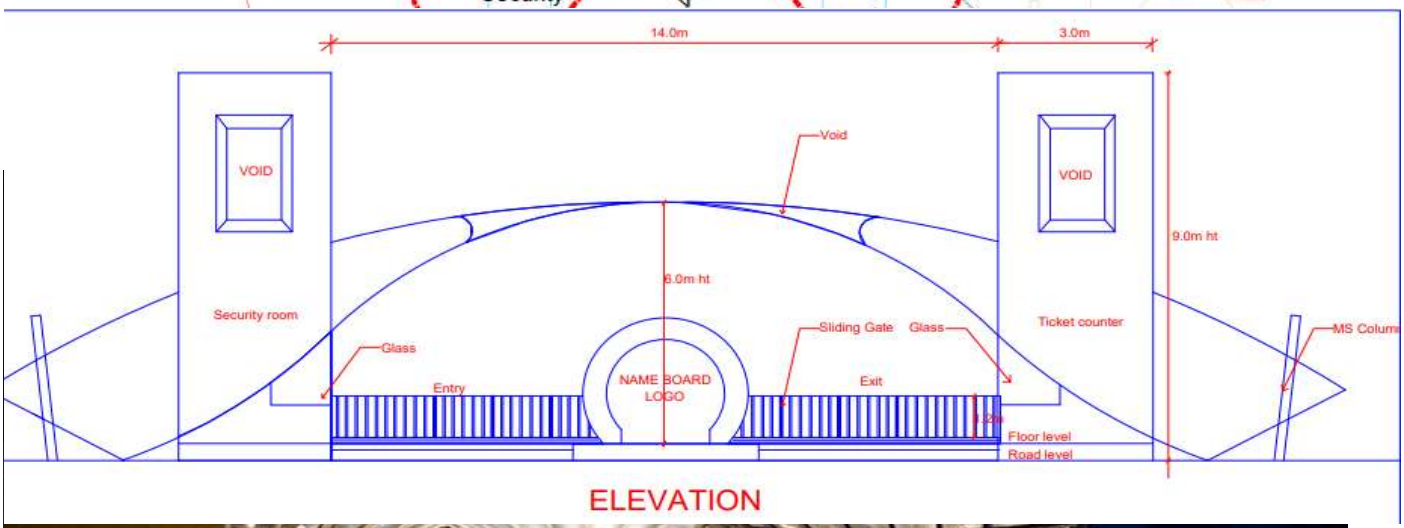
Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.

PART "M"- Supply, Delivery, Installation, Commissioning of items related to the Parametric pavilion at the entrance location of Grand Entrance theme .

We are highlighting the schematic pavilion structure at the entrance court. accordingly you can Propose your drawings and various design options with 3D views and detailed specifications along with your respective quotations. Below find the reference images and Main entrance elevation for your needs.





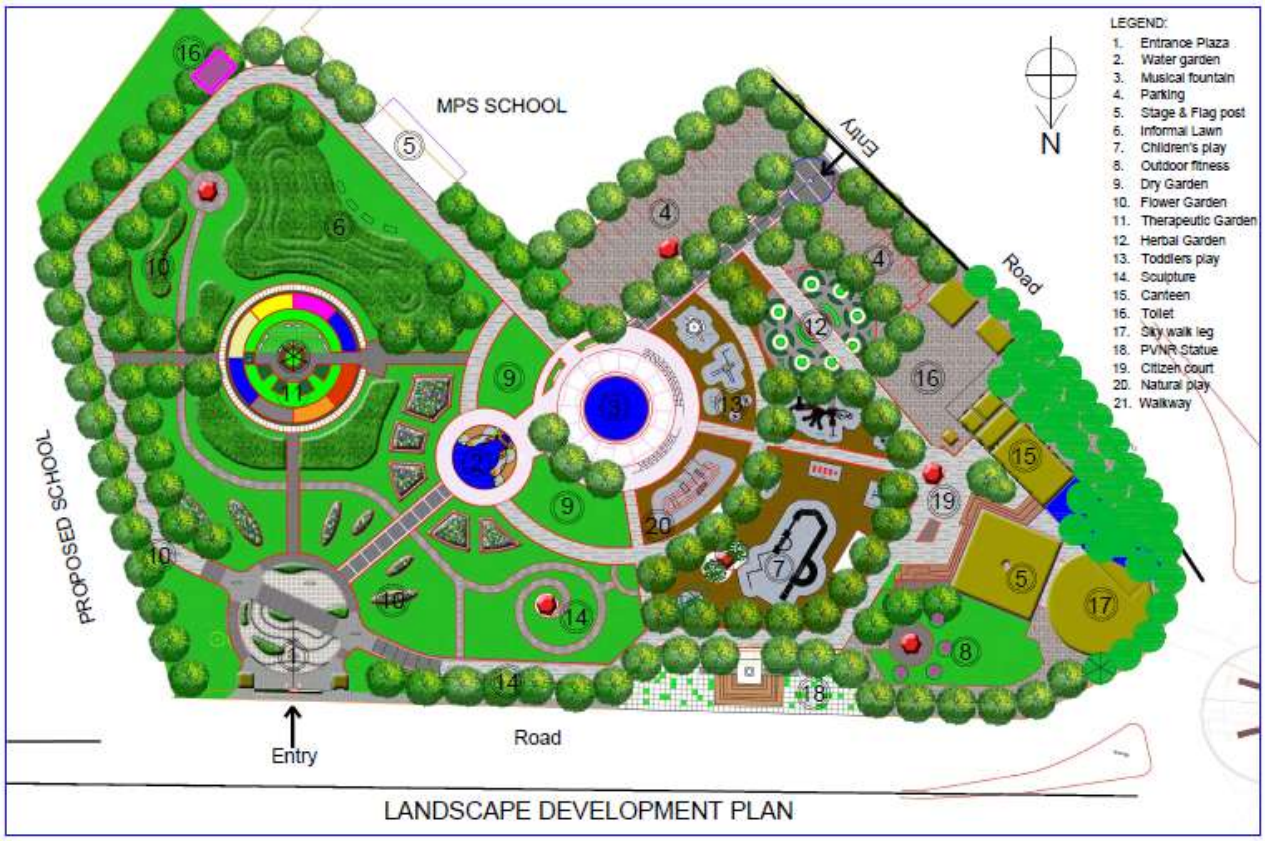
Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.

PART "N"- Supply, Delivery, Installation, Commissioning of items related to all electrical works including Electrical Panels and Feeder pillars.

Concepts and detailed Electrical network drawings and Bill of Quantities including specifications and Rates for various items of internal & external works such as Electrical panels, Feeder pillars as per required load requirements etc. **other than the lighting poles and luminaries as mentioned in Part K of this BOQ.**

Layout attached for your reference.



LANDSCAPE DEVELOPMENT PLAN

Note: All Rates shall be inclusive of all taxes and duties but exclusive of GST. GST shall be indicated separately by the respondent.

Note: Minimum 2 years of warranty shall be assured by the respondent.