Karimnagar Smart City Corporation Limited (KSCCL)

INVITATION OF QUOTATIONS

for

Various Items such as Artistic Painting, Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Sculptures, Irrigation Works

at

at Circus Ground 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: 07/KSCCL/2020-21 dated 02.03.2021

Invitation for Expression of Interest

KSCCL desires to invite Quotations from interested parties for **Various Items such as Artistic Painting, Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Sculptures, Irrigation Works** for implementation of the 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 ***02.03.2021*** onwards**.** ***The last date for submission of proposals is 09-03-2021 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

KEY DATES

No.	Activity	Deadline
1	Issue of Document	02.03.2021, 1:00 PM
2	Last date for receipt of queries on EoI	04.03.2021, 5:00 PM
3	Posting of response to queries	06.03.2021, 5:00 PM
4	Last date for submission of EoI	09.03.2021, 5:00 PM

Invitation for quotations for Various Items such as Artistic Painting, Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Sculptures, Irrigation Works at Circus Ground.

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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 under 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 requested for submission of a proposal not responsive to the EOI in all respects may lead to rejection of the quotation of the respondent and shall not be eligible to the next level of the bidding process.

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 Companies Act, 1956 or 2013 or its equivalent or under Limited Liability Partnership Act, 2008 or its equivalent.

b) The respondent should be operational continuously for the last 2 (Two) years 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 item or all the items 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 Artistic Painting, Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Sculptures, Irrigation Works at Circus**

Ground" 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 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 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 BOQ along with Detailed Specifications

A. Artistic Painting:

S.No	Description of item	Qty
1	i) Paintings of Compound walls for Govt. Buildings, Walls etc., with Traciitional, Cultural and Curli paintings a) First coat of Asian Branded White Wash b) Second coat of Emusion paintings c) Third coat painting Drawing Traditional, Cultural paintings including cost and conveyance of all materials to site and labour charges etc., Complete for finished item of work,	1 job
2	ii) Artistic Painting on MS structure as look like wooden prank / wooden barks with ms primer coating & using deco paint including cost and conveyance of all materials to site and labour charges etc., Complete for finished item of work. Lappam work Recmal finishing Painting work Arts work	1 job

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

B. Supply, Delivery, Installation, Commissioning of items related to Electrical Panels

LT &APFC Panel and Feeder Panels

Sr No	Description	Qty	Unit
1	LT Panel Board.-Panel 2	1	No
2	Main Panel Board.with APFC Panel	1	No
3	Direct On Line Panel -1	1	No
4	Feeder Panel	2	No

Specifications:

Sub:- LT Panel Board.				
Sr. No	***Description***	***Type***	***Qty***	***Unit***
Incoming:				
1	120A FP 36kA MCCB MP based witl O/L, S/C & E/F release	DN2-120D	1	Nos.
2	ROH	DN2-120D	1	Nos.
3	Spreader Terminals Links	DN2-120D	1	Nos.
4	200A FP AL Busbar	….	1	Lot
5	VAF Meter Cl. 1.0	ELF3259	1	Nos.
6	250/5A CT'S CL1.0	10 -VA	3	Nos.
7	Indicating Lamps R Y **230V AC**	LED	2	Nos.
8	Indicating Lamps B **230V AC**	LED	1	Nos.
9	2A HRC Fusse with base	HG & HD	3	Nos.
Outgoing:				
1	32A SP 10kA MCB	C-Curve	10	Nos.
2	32A TP 10kA MCB	C-Curve	20	Nos.
3	63A TP 10kA MCB	C-Curve	5	Nos.
4	16sq.mm Terminals	CTS16	70	Nos.
5	35sq.mm Terminals	CTS35	15	Nos.
6	PVC Wiring Lugs,Hardware etc.		1	Lot
7	DOL		2	Nos.
PANEL SIZE: 1700(H) X 2000(W) X 350(D)mm.				
14 SWG CRCA Sheet Steel, Cubical type,**Indoor**				

Installation, Dust/Verminproof, front operated, **Non Compartmentalized**				
Floor mounted, Shaded **IS-631**, Powder Coated,				
Protection **IP-42.**				

Sub:- Main Panel Board.				
Sr. No	***Description***	***Type***	***Qty***	***Unit***
Incoming:				
1	200A FP 36kA MCCB MP based witl O/L, S/C & E/F release	DN3-200D	1	Nos.
2	ROH	DN3-200D	1	Nos.
3	Spreader Terminals Links	DN3-200D	1	Nos.
4	200A FP AL Busbar	….	1	Lot
5	VAF Meter Cl. 1.0	ELF3259	1	Nos.
6	630/5A CT'S CL1.0	10 -VA	3	Nos.
7	Indicating Lamps R Y **230V AC**	LED	2	Nos.
8	Indicating Lamps B **230V AC**	LED	1	Nos.
9	2A HRC Fusse with base	HG & HD	3	Nos.
Outgoing:				
1	63 A TP 36kA MCCB TM based witl O/L, S/C release	DU630	6	Nos.
2	ROH	DU630	4	Nos.
3	Spreader Terminals Links	DU630	4	Nos.
4	32A SP 10kA MCB	C-Curve	10	Nos.
5	PVC Wiring Lugs,Hardware etc.		1	Lot
PANEL SIZE: 1600(H) X 1400(W) X 400(D)mm.				
14 SWG CRCA Sheet Steel, Cubical type,**Indoor**				
Installation, Dust/Verminproof, front operated, **Non Compartmentalized**				
Floor mounted, Shaded **IS-631**, Powder Coated,				
Protection **IP-42.**				

Sub:- Street Lighting Panel.	***feeder panel***			

Sr. No	***Description***	***Type***	***Qty***	***Unit***
Incoming:				
1	63A FP 36kA MCCB MP based witl O/L, S/C & E/F release	DN2-250D	1	Nos.
2	ROH	DN2-250D	1	Nos.
3	Spreader Terminals Links	DN2-250D	1	Nos.
4	100A FP AL Busbar	….	1	Lot
5	VAF Meter Cl. 1.0	ELF3259	1	Nos.
6	100/5A CT'S CL1.0	10 -VA	3	Nos.
7	Indicating Lamps R Y **230V AC**	LED	2	Nos.
8	Indicating Lamps B **230V AC**	LED	1	Nos.
9	2A HRC Fusse with base	HG & HD	3	Nos.
10	ELR	DN2-250D	1	Nos.
Outgoing:				
1	20A TP 10kA MCB	C-Curve	10	Nos.
2	PVC Wiring Lugs,Hardware etc.		1	Lot
PANEL SIZE: 1000(H) X 1000(W) X 350(D)mm.				
14 SWG CRCA Sheet Steel, Cubical type,**Indoor**				
Installation, Dust/Verminproof, front operated, **Non Compartmentalized**				
Floor mounted, Shaded **IS-631**, Powder Coated,				
Protection **IP-42.**				

Sub:- LT Panel Board.	***MOTOR PANEL***			
Sr. No	***Description***	***Type***	***Qty***	***Unit***
Incoming:				
1	120A FP 36kA MCCB MP based witl O/L, S/C & E/F release	DN2-630D	1	Nos.
2	ROH	DN2-630D	1	Nos.
3	Spreader Terminals Links	DN2-630D	1	Nos.
4	200A FP AL Busbar	….	1	Lot
5	VAF Meter Cl. 1.0	ELF3259	1	Nos.
6	250/5A CT'S CL1.0	10 -VA	3	Nos.
7	Indicating Lamps R Y **230V AC**	LED	2	Nos.
8	Indicating Lamps B **230V AC**	LED	1	Nos.
9	2A HRC Fusse with base	HG & HD	3	Nos.

Outgoing:				
1	32A SP 10kA MCB	C-Curve	10	Nos.
2	32A TP 10kA MCB	C-Curve	20	Nos.
3	63A TP 10kA MCB	C-Curve	5	Nos.
4	16sq.mm Terminals	CTS16	70	Nos.
5	35sq.mm Terminals	CTS35	15	Nos.
6	PVC Wiring Lugs,Hardware etc.		1	Lot
7	DOL 7.5 HP 15A		6	Nos.
PANEL SIZE: 1700(H) X 2000(W) X 350(D)mm.				
14 SWG CRCA Sheet Steel, Cubical type,**Indoor**				
Installation, Dust/Verminproof, front operated, **Non Compartmentalized**				
Floor mounted, Shaded **IS-631**, Powder Coated,				
Protection **IP-42.**				

APC PANEL

1	630A TPN Al.Busbar **(1x80x10mm)**	**…**	1	Sets.
2	0-500V Voltmeter (96x96mm)	Digital	1	Nos.
3	0-600A Ammeter CTR 600/5A Cl-1.0	Digital	1	Nos.
4	600/5A CT'S Cl-1.0 Tap Wound	15-VA	3	Nos.
5	Selector Switch	VSS/ASS	2	Nos.
6	APFC Relay	8-Stage	1	Nos.
7	Auxiliary Contact (4NO)	MX0	3	Nos.
8	Add on Block	MX	3	Nos.
9	Selector Switch	A/M	1	Nos.
10	Timer	On Delay	1	Nos.
11	Indicating Lamps R,Y **230V AC**	LED	2	Nos.
12	Indicating Lamps B **230V AC**	LED	1	Nos.
13	Indicating Lamps On/Off/Trip **230V AC**	LED	3	Nos.
14	6A SP Control MCB	SP	6	Nos.
Outgoing:				
	50KVAR Capictor Bank…4 Nos			
1	63A TP MCB 10kA C Curve	TP	4	Nos.
2	5KVAR Capacitor Duty Contactor	MO C25	4	Nos.
3	Pushbutton with Elements	22.5D	8	Nos.
4	Indicating Lamps On/Off **230V AC**	LED	8	Nos.
5	55KVAR Capacitor **440V,50Hz**	MPP	4	Nos.
	20KVAR Capictor Bank…2 Nos			
1	32A TP MCB 10kA C Curve	TP	2	Nos.
2	10KVAR Capacitor Duty Contactor	MO C15	2	Nos.

3	Pushbutton with Elements	22.5D	6	Nos.
4	Indicating Lamps On/Off **230V AC**	LED	6	Nos.
5	10KVAR Capacitor **440V,50Hz**	MPP	3	Nos.
PANEL SIZE: 2125(H) X 1250(W) X 700(D)mm.				
14/16 SWG CRCA Sheet Steel All Doors & Covers,Cubical type, **Outdoor**				
installation, Dust/Verminproof, **Floor mounted, Non Compartmentalized** Shaded				
color for back/front side cover Siemens Gray **RAL 7032**				
Powder coated, Protection **IP-65.**				
Top/Bottom Cable Entry				

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

C. 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 MAHATMA JYOTHI RAO PHULE 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	1 job

Internal sign Board

S. No	Description of item	Qty
1	Supply and installation of Internal Sign boards a) 3MM Acrylic Laser cutting b) 3MM Acrylic Walling c) Female of ACP Laser cutting sheets d) Inner Lighting 1) 65mm x 65mm Tube type 9'feet Pole fixing Main entance arrow sign board 5 no's of arrow signs 2) Toilet boards with lighting Each board (Male & Female) 3) Parking Retro sign boards of given by shapes 5 no's sign boards 4) Hanging Led's Yoga hall, Food stall 2 no's Size: 8" x 36" each board	1 job

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

D. Supply, Delivery, Installation, Commissioning of items related to the Landscape and plantation works

S.NO	DESCRIPTION OF ITEM	RATE	QTY
1	Providing and Displaying Phoenix roebelenii 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
2	Supply and stacking of Spathodea campanulata plant of height 150-165 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge.	each	1
3	Supply and stacking of Foxtail palm plant of ht. 240-270 cm bottom girth 35-40 cm well developed in big size HDPE bags including transportation Complete as per direction of the Officer-in-charge.	each	1

S.NO	DESCRIPTION OF ITEM	RATE	QTY
4	Supply and stacking of Cassia fistula (Amaltash) plant of height 120-135 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge	each	1
5	Supply and stacking of Bauhinia blakeana (Kachnar) 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
6	Supply and stacking of Bougainvillea (Variety Butiana, Lady Mary Baring, Mahara,Mohan,Scarlet Queen, Varigata, Glabra Formosa, Peruviana Odissi, Partha, Subhra,Thimma, Spectabilis L.N Birla, Refulgens) plant of height 30 cm. to 45 cm. with 2-3 branches including transportation Complete as per direction of the officer-in-charge.	each	1
7	Supply and stacking of Tabebuia sp. 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
8	Supply and stacking of Terminalia arjuna 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
9	Providing and displaying of Raphis Palm plant, having ht. 75 cm to 90 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
10	Supply and stacking of plant Plumbego capensis well developed with fresh and healthy 30 to 45 cm ht including transportation Complete as per direction of the officer-incharge.	each	1
11	Providing and Displaying Acalypha red well developed with fresh & healthy 30 to 45 cm ht including transportation Complete as per direction of the officer-in-charge.	each	1
12	Supply and stacking of Plumeria rubra plant 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
13	Providing and displaying of Dracaena mahatma 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

S.NO	DESCRIPTION OF ITEM	RATE	QTY
14	Providing and Displaying Golden Bottle brush Topiary 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
15	Providing and displaying of HYMENOCALLIS LITTORALIS having ht. 40 cm to 60 cm the bulb is 7-10cm in diameter. 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
16	Supply and stacking of Lantana orange plant of height 40-50 cm. in big poly bags of size 25 cm including transportation Complete as per direction of the officer-in-charge	each	1
17	Providing and displaying of Alocassia plant, having 10no.s of 60cm leaf and 15cm width well developed, fresh and healthy foliage including transportation Complete as per direction of the officer-in-charge.	each	1
18	Providing and stacking of Red fountain grass having ht. 100cm to 120cm ,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
19	Providing and displaying of Pandanus yellow plant, having ht. 20 cm to 30 cm with 15 to 20 cm spread , 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
20	Providing and stacking of wedelia trilobata,full of leaves in 15cm size of poly bags &as per direction of the Officer-in-charge.	each	1

Grass Turf

S.NO	Description	QTY
1	Supply and delivery of 1st class carpet grass (Mexican) good quality including transportation, loading, unloading and all other charges excluding GST to the site as per directions of the Engineer-in-charge	Per sqm

Fertilizer

S.NO	Description	QTY
1	Supply and delivery of fertilizers of good quality for plantation works including loading, unloading, transportation and all other charges excluding GST to the site as per the directions of the Engineer-in-charge.	1 ltr

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

E. Supply, Delivery, Installation, Commissioning of items related to the Play Equipment for Children

Sl.No.	Description of Item	QTY
1	Supply, Delivey and Installation of standard SeeSaw for complete job as directed by engineer -in- charge with the follwing specifications including transportation and all other charges excluding GST. Frame: Frame of standard see-saw is designed using 15NB, 20NB & 25NB G.I. pipe and it has been given radius by suitable bending techniques. Plates has been welded at places were seat has to be installed so that seats can be fixed to the frame with suitable bolting arrangement. •Roto Seat: Rotational moulded seats of thickness 6mm are used in these see-saw , it has been provided with bolts to fix it too see-saw frame which has a plates of 200X150X5mm welded on to the frame. Handle has been provided on the frame made up of 20NB pipe and also conforming to EN standards. The M Seated See saw comprises two roto seats. •See-saw stand : 50NB Hot dip Galvanized Pipe conforming to IS 1239 with GI thickness of 60µ ,Pipe length 550mm Plate 150X150X5mm is used as a foundation plate for the vertical pipe •Standard See-saw Clamp: Standard see saw clamp is used in see saw so as to provide required motion for the see saw. Bearing: The bearing used in this item is heavy duty nylon bush type •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 instrument -OF APPROVED MAKE BY KSCCL	1NO

Sl.No.	Description of Item	QTY
2	**Supply, Delivey and Installation of Circular Swing for complete job as directed by engineer -in- charge with the follwing specifications including transportation and all other charges excluding GST.**The Circular Swing leg pipe :40NB hot dip galvanized swing leg pipe of length 2300mm conforming to IS 1239 with GI thickness up to 60µ. Top pipe : Circular swing top consists of special housing frame structure fixed to 50NB Galvanized pipe of length 1500mm at the centre and two Junction box frame at the ends to attach leg pipes. Junction box: 225mmx103mm junction box made from 3mm thick GI Plated plate to house the two swing leg pipes & top pipe. Platform: The platform of size 610 X350 consists of a structure made from ISA conforming to IS-808-1964 and covered with Aluminium chickened sheet. The platform is bolted to the side frames at the lower side. Side Frame :The Circular side frame is made from 25NB & 15NB Galvanized pipe bend and fixed together conforming to IS 1239 (Part 1):1979 to form a structural frame provide with fixed plates to attach seats. The circular swing seat is made up of Fibber reinforced plastic(FRP). The attractive seat is made up of 3-5 mm thick fibre reinforced plastic. The FRP material is tested for abrasion resistance & UTS(ultimate tensile test). Bearing Assembly: It consists of two Plummer block bearings fixed over Dia 20 Bright Rod. The two profile plates are fixed to the two ends of rod for bolting the circular swing side frames. The entire bearing assembly is mounted on the frame provided on swing top. Powder coating: shall be done of pure polyester exteriors ultra-stabilized powder Paints. Thickness maintained is a minimum of 60-70microns. •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.-OF APPROVED MAKE BY KSCCL	1NO
3	**Supply, Delivey and Installation of Balancing Bridge for complete job as directed by engineer -in- charge with the follwing specifications including transportation and all other charges excluding GST.Balancing bridge (PGHT 03)** The Balancing Bridge is made of 40NB & 25NB hot dip galvanized pipe conforming to IS 1239 (Part1):1979 with GI thickness of 60µ fixed together with base plates at bottom end to form balancing bridge side frame Top pipe : 50NB pipe is hot dip galvanized pipe of height 4830mm conforming to IS 1239 with GI thickness up to 60µ with an ISF conforming to IS 1730-1961 welded at its one ends pipe can withstand torsional stress created due to swinging motion Support pipe :40NB hot dip galvanized pipe of length 2160mm conforming to IS 1239 (Part 1):1979 with GI thickness of 60µ with base plates at bottom end to form balancing bridge support structure. Floats: Eight Floats of die 600mm die is made from rotational moulded LLDPE plastic suspended over two parallel MS wire of dia. 12mm 15.5ft. Long The material used is LLDPE plastic with UV stabilizers for prolong outdoor application. Rope: Polypropylene (PP) braided Rope of die 18mm suspended between two sides frames for children to hold grip for support against falling. Rope size conforming to standards minimum grip requirement EN 1176-1:1998.•Rotational Moulded Products :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-OF APPROVED MAKE BY KSCCL	1NO

Sl.No.	Description of Item	QTY
4	**Supply, Delivey and Installation of Balancing Bridge for complete job as directed by engineer -in- charge with the follwing specifications including transportation and all other charges excluding GST.Balancing bridge (PGHT 03)** The Balancing Bridge is made of 40NB & 25NB hot dip galvanized pipe conforming to IS 1239 (Part1):1979 with GI thickness of 60µ fixed together with base plates at bottom end to form balancing bridge side frame Top pipe : 50NB pipe is hot dip galvanized pipe of height 4830mm conforming to IS 1239 with GI thickness up to 60µ with an ISF conforming to IS 1730-1961 welded at its one ends pipe can withstand torsional stress created due to swinging motion Support pipe :40NB hot dip galvanized pipe of length 2160mm conforming to IS 1239 (Part 1):1979 with GI thickness of 60µ with base plates at bottom end to form balancing bridge support structure. Floats: Eight Floats of die 600mm die is made from rotational moulded LLDPE plastic suspended over two parallel MS wire of dia. 12mm 15.5ft. Long The material used is LLDPE plastic with UV stabilizers for prolong outdoor application. Rope: Polypropylene (PP) braided Rope of die 18mm suspended between two sides frames for children to hold grip for support against falling. Rope size conforming to standards minimum grip requirement EN 1176-1:1998.•Rotational Moulded Products :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-OF APPROVED MAKE BY KSCCL	1NO
5	**Supply, Delivey and Installation of Deluxe Slide 7 Feet for complete job as directed by engineer -in- charge with the follwing specifications including transportation and all other charges excluding GST.Deluxe slide 7 Feet (PG SD 81)** The attractive deluxe slide chute is made in Stainless Steel. Platform is 16 SWG GI Plated Platform of size - 500x450x60mm and The slide ladder is made up of 25 NB GI pipe & the ladder hand-railing is made up of 20 NB pipes respectively. Ladder Step: It is Cold formed 16 Gauge GI Plated Sheet Length 500mm & width 90mm EN1176-1:1998 conforming to EN1176-1:1998 The trade and riser of the ladder are designed in such a way it won't entrap child's foot while playing. All the sharp edges and corners are properly grinded to give smooth finish so that children are not hurt while playing on it. Centre support pipe: It is 80NB hot dip galvanized centre support pipe of length 1980mm conforming to IS 1239 with GI thickness of 60µ. Small H-Support: It is made from 25NB GI Pipe length 600mm with 10mm tor rod of length 300 mm for support & strong foundation. Pipes: All metal pipes are Hot Dipped Galvanized Pipes on forming to IS 1239 (Part 1) 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 instrument.-OF APPROVED MAKE BY KSCCL	1NO

Sl.No.	Description of Item	QTY
6	**Supply, Delivey and Installation of Double Arc Swing for complete job as directed by engineer -in- charge with the follwing specifications including transportation and all other charges excluding GST.DOUBLE ARC SWING (PGSD 04)** 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. •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.-OF APPROVED MAKE BY KSCCL	1NO
7	**Supply, Delivey and Installation of Net Rock Scrambler 5feet for complete job as directed by engineer -in- charge with the follwing specifications including transportation and all other charges excluding GST.Net Rock Scrambler 5feet (PGSL 19)** : Rock climber 5ft pad made from fiber reinforced plstic attached to the angular frame the pad is Provided with Rock shaped part ergonomically spaced in zigzag manner for climbing act. The rocks re bolted on same platform ,with a gradient of 65 degree from the ground supports : bends angular frame made from 40NB Galvanized pipe of 1190mm long with dia 12u-hooks fixed on one side Pipes :all metal pipes are Hot dipped Galvanized pipes confirming to IS 1239(PART I) with GI Thickness of 60micron rope it has profile plate for top support and has plate 130*50*5 for bottom support Top pipe :it is made from 40NB top pipe of 1190mm long with dia 12U Hooks fixed on one side . Rope Rope size confirming to standards En 1176-1: 1998 for minimum grip requirement .it is size of dia 18 of nylon .mesh size conforming to standards EN 1176-1:1998&ASTM-F1487:07a for safety against entrapment of head&neck Rock : it is made from fibber reinforced plastic FRP Powder coating shall be done of pure polyester exteriors ultra stabilized powder paints . thickness maintained is a minimum of 60-70microns. -OF APPROVED MAKE BY KSCCL	1NO

Sl.No.	Description of Item	QTY
8	**Supply, Delivey and Installation of Vip Bench for complete job as directed by engineer -in- charge with the follwing specifications including transportation and all other charges excluding GST.VIP BENCH (PGGD 21)** Park Benches The VIP Bench 'C' channel wood finish (ISO) 'C "Patti - Section FRP channel strip of thickness up to 5mm and 1500mm long with wooden finish bolted to both the side frames. The seating portion and backrest is made up of FRP . At the end of the strips nylon end caps are given to prevent dust particles from entering in it.•Bench frame: I-section bench frame with bend ISF conforming to IS 1730-1961 welded on one side for bolting the FRP C-Channel strip. the frames are made up of cast iron in sand casting process. •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-OF APPROVED MAKE BY KSCCL	1NO

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

F. Supply, Delivery, Installation, Commissioning of items related to the Drip / Sprinkler irrigation System

S.NO	Description	Qty
1	Supplying, Excavation, Delivery laying and installation of drip/sprikler irrigation system including commissioning and difect liability period for finished item of work complete in all respects. items like 1) Plastic screen filter 2" -1 no. 2) P.P Throttle Valve 2" with assly -1no. 3) P.P Non return valve 2"- 1no. 4) Sand filter with backwash assly 2" -1no. 5) Pressure gauge -2no. 6) Air release valve 1" -2no. 7) Ventury assly 3/4" -1no. 8) Plain lateral 16mm -2000mts 9) Fintotiff Dripper 8lph -1500no.s 10) Fingol PCND 16MM-0.3M -2.1LPH CL II -1500mts 11) Maxipaw popup spinkler 2045A - 50 no.s 12) Unispray popup sprinkler 18VAN - 55no.s 13) Unispray popup sprinkler 15VAN -20no.s 14) Unispray popup sprinlkler 10VAN -5 no.s 15) Plain Lateral 20mm -150mts 16) Head Connector 20mm - 150no.s 17) Barbed Adaptor 20*3/4 "-50no.s 18) Barbed Adaptor 20*1/2 -100no.s 19) Rubber Gromet -350no.s	1 Job
	20) Head connector 16mm-200no.s 21) Barbed Connector 16mm-300no.s 22) Line end 16mm- 200no.s 23) Barbed Tee 16mm -50no.s 24) Barbed Elbow 16mm- 50no.s 25) Quick Coupling valve 3/4" -8no.s 26) Riser for Quick Coupling vlave 3/4"- 8no.s 27) Finolex plasson Ballvalve 63mm - 12no.s 28) PVC flush valve 40mm- 25no.s 29) Valve box 10" - 12no.s 30) PVC pipe 75/6kgf -330mts 31) PVC pipe 63/6 kgf -270mts 32) PVC pipe 40/6kgf- 870mts 33) PVC Fittings and accessories 34) Installation charges for job work	

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

G. Supply, Delivery, Installation, Commissioning of items related to Various Art Sculptures

Art Sculpture Description	Location	UNIT/sft	Materials and Style	Reference Image
Supply and Installation of Human Art Sculptures Hugging Trees	**Outdoor**	**5 Nos of Human**	**Fibre Reinforced Plastic [FRP] Mould Life Size Sculpture with Rustic Metal Colour Fiish Dimensions: 34.5" Height X 29.5" Width**	
Supply and Installation of Childrens Play/Diving into Water Cascade Art Sculptures	**Outdoor**	**1 Unit [5 children]**	**Fibre Reinforced Plastic [FRP] Mould Life Size Sculpture with Rustic Metal Colour Finish**	

Invitation for quotations for Various Items such as Artistic Painting, Electric Panels, Entrance and Internal Sign Boards, Plantation, Play Equipment, Sculptures, Irrigation Works at Circus Ground

Art Sculpture Description	Location	UNIT/sft	Materials and Style	Reference Image
Supply and Installation of White Rabbit Watching A Book Sat On A Rock Bench	**Outdoor**	**1**	**Fibre Reinforced Plastic [FRP] Haloow Mould Sculpture with White Matt Finish Colour Dimensions: 5ft Height Dimensions: 41" Inches Height X 30 " Inches Width**	
Supply and Installation of Deer Family 2+2	**Outdoor**	**1 Unit[2+2 Deer Family]**	**Fibre Reinforced Plastic [FRP] Hallow Mould Sculpture with Rustic Metal Colour Finish Dimensions: 6ft Height Parent Deers 4ft Height Child Deers**	

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