



जोधपुर नगर निगम, (दक्षिण)



पोलोटैक्निक कॉलेज परिसर, रेजीडेन्सी रोड, जोधपुर

E-Mail-nnjelectrical@gmail.com

क्रमांक :- एफ.14/रो./कार्य/2022/RL 12354

दिनांक :- 02-12-2022

अल्पकालिन निविदा सूचना

UBN No.-

निम्न कार्यो हेतु इच्छुक विद्युत लाईसेन्सधारी संवेदक/जोनिन/में विद्युत पंजीकृत संवेदक/अन्य विभागों में पंजीकृत विद्युत लाईसेन्सधारी बेरोजगार तकनीकी योग्यतानुसार सिमिलर कार्य के अनुभव, अधिकृत निर्माता से सिलबन्द निविदायें आमंत्रित की जाती हैं।

निविदायें प्रत्येक मद के आगे अंकित तिथि तक सांयकाल 12 बजे तक बेची जायेगी एवं अंकित दिनांक को सांयकाल 3 बजे तक प्राप्त की जायेगी। निविदायें उसी दिनांक को उपस्थित संवेदको के समक्ष सांयकाल 4 बजे तक खोली जायेगी। निविदा शुल्क के साथ धरोहर राशि डीडी/बैंकर चेक/रोकड़ जमा करने के पश्चात् ही निविदा प्रपत्र जारी किया जायेगा। बिना धरोहर राशि/सशर्त निविदा अमान्य होगी। राजकीय एवं स्थानीय अवकाश होने पर निविदा स्वतः आगामी दिनांक को बेची जाकर प्राप्त कर खोली जायेगी। निविदा शर्तें लेखानियमानुसार रहेगी।

कंसं.	कार्य का नाम	अनु.लागत लाखों में	धरोहर राशि रूपये	निविदा प्रपत्र मूल्य	कार्य करने की अवधि
01	वार्ड सं. 38 से 77 में रोड फेस वायर खींचने का कार्य।	4.62	9240/-	200	06 माह
02	वार्ड सं. 78 से 80 में रोड फेस वायर खींचने का कार्य।	5.00	10000/-	200	06 माह
03	मदन पार्क सेन्ट्रल स्कूल स्कीम में विद्युतीकरण का कार्य।	2.50	5000/-	200	01 माह
04	सैनिकपुरी चौराहा पर सेमी हाईमास्ट लाईट लगाने का कार्य।	2.34	4680/-	200	01 माह

निविदा बेचने की तिथि	दिनांक:-07-12-2022
निविदा प्राप्त कर खोलने की तिथि	दिनांक:-07-12-2022

यह निविदा वेबसाईट sppp.com एवं <https://Urban.rajasthan.gov.in/MCJS> पर देखी जा सकती हैं।

Handwritten signature

अधिसाषी अभियन्ता (विद्युत)
नगर निगम (दक्षिण), जोधपुर।

क्रमांक :- एफ.14/रो./कार्य/2020/RL 12355 + 12358

प्रतिलिपि :-

- सम्पादक दैनिक प्रतिनिधि को भेजकर लेख हैं कि आगामी अंक में नियमानुसार प्रकाशित कर बिल भुगतान हेतु प्रस्तुत करें।
- बिल लिपिक, नगर निगम, जोधपुर।
- ओसवाल डाटा प्रोसेस, नगर निगम, जोधपुर इस निविदा को वेबसाईट पर अपलोड करे।
- नोटिस बोर्ड, नगर निगम, जोधपुर

Handwritten signature
आयुक्त

नगर निगम (दक्षिण), जोधपुर।

दिनांक :- 02-12-2022

Handwritten signature
आयुक्त

नगर निगम (दक्षिण), जोधपुर।

JODHPUR MUNICIPAL CORPORATION (SOUTH)

①

Name of work:- **Supply and stringing of phase wire and installation of timer in ward no 38 to 77 JMC South zone.**
 RUDIP-2022

Sn.	CODE No	Schedule PARTICULARS	("G" Schedule)			
			QTY.	RATE		AMOUNT
1	E190100	Supply and erection of P C C./R C C pole as per REC manual no 15/1979 & as per PWD / DISCOM specification for electrical Works conforming to IS 2905/1966 including excavation of pit and back filling with stone aggregate/boulders and soil in 0.45m consolidating each deposited layer of 0.45m by ramming and watering etc complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.				
	E190102	9.0 Mtr long (200 kg as per PWD / DISCOM specification)	10	Nos	3423.00	Each 34230.00
2	E190300	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.				
	E190301	LT cross arm 600 mm long with clamp	200	Nos	285.00	Each 57000.00
3	E190400	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 suitable for working voltage 1100 volts including all accessories like hot dip GI forged spindle of 260mm long and nuts etc as reqd as per standard Discom specification. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.				
	E190401	105mm x 65mm	120	Nos	55.00	Each 6600.00
4	E190500	Supply and fixing of porcelain shackle insulator as per IS 1443 1979 suitable for working on 1100 volts including hot dipped GI accessories and heavy duty hardwares etc as required as per PWD / DISCOM specification. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.				
	E190501	75mm x 90mm	80	Nos	61.00	Each 4880.00
5	E192600	Supplying and drawing of ISO certified company made XLPE insulated LT Aerial bunched Aluminium conductor cable conforming to IS 14255/1995 and IS 398 (Pt-4)/1994 on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect as required as per PWD / DISCOM specification. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.				
	E192603	1 X 25 sq. mm + 1X25 sq. mm (insulated)	5300	Mtr	55.00	RM 291500.00
6	E081000	Providing & Fixing of ISO certified company made UL listed , IP 65 110/220 V, unibody LED Indicating lamp IEC 60947 , CSA 22.2 with integral circuit, IP 20 terminal block, Approx. body dia for panel not less than 20 mm, length min. 50mm, front LED cover dia min. 29 mm, contact material phosphor bronze for Led, PCB contacts shall be of brass (tin plated), impulse dielectric tested for 2.5 KV, Rated insulation resistance shall be 100 M ohm at 500VDC including connection etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.				
	E081001	Red/yellow/Green colour	9	Nos	131.00	Each 1179.00
	E081002	Blue /white Colour	3	Nos	215.00	Each 645.00
7	E082100	Providing & Fixing of mechanical / digital time switch having following day / week programme and minimum 100 hours reserve and AC1 rating of 16-20 amperes including making connection, programming conforming to IEC 60730-1 and 60730-2-7 etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.				
	E082102	One day & week reserve (digital type)	3	Nos	4692.00	Each 14076.00
8	E082400	P & F Cam operated rotary switches on existing panel with 2 way and off position				
	E082440	Four pole				
	E082443	63 A	3	Nos	1578.00	Each 4734.00
9	E081600	Providing & Fixing of AC operated heavy duty 230 /440 Volt power contactor as per PWD specification for electrical Works, ISI marked IS/IEC 60947-4-1 : 2000 having provision of mechanical interlocking, auxiliary contacts, Din rail mounting type including making connections, testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/work , refer Annexure "A" attached with this BSR.				
	E081620	4 pole Power contactors with following AC 1 Rating				
	E0816204	63 Amp	3	Nos	3464.00	Each 10392.00
10	E080100	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel as per PWD specification for electrical Works, made out of CRCA sheet. Other parameters required as per point (a) ,(b), (c), (d) below - (a) Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any compartment and be of 2.0 mm above 600 mm. Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required. Side walls and cable alley compartments having bolted type doors with / without detachable extension type structure (b) panel shall be duly treated for derusting in 7 tank process with dephosphating and with powder coating of minimum 70 microns on both side of panel in desired shade. The panel having PU/ Neoprene rubber gasket of not less than 3mm thickness, required hardware, separate detachable gland plate M.S. base channel (min 75mm) , hinged door with locking arrangement for equipment/switchgear (c) Interconnection between bus bar and switchgears /cable shall be rigidly supported and made out by flexible copper wires (up to 125 amp) and by solid bus bar (>125 amp) . All joints / interconnections of copper bus bar shall be duly tinned. Clearance between main bus bar and risers / metal parts shall be at least 10 mm additional to width of bus	4.5	Sq Mtr	3541.00	Per Sq Mtr 15934.50

11	E080200	Supplying and fixing of Aluminium (IEC 60105 ISO 209-1,2) / Copper (IEC 60028) bus bar as per PWD specification for electrical Works, by means of SMC / DMC type insulator. High tensile nuts and bolts spring washers in existing panel including bending, cutting in required shape and size and colour coding with heat shrinkable PVC sleeves. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	E080201	Electrolytic grade Aluminium bus bar 6010 grade	3	KG	458.00	Per KG	1374.00
12	E080400	Providing & Fixing of IP 51 (upto 500) V range Volt meter on existing panel as per PWD specification for electrical Works, making connection by PVC insulated copper conductor with PVC sleeves / channel etc. Meter shall give true RMS measurements, acc. CI 1.0 or better, with field programmable primary & sec. values PT(VT) primary upto 2000 kV. Field-programmable high and low threshold values, meter shall compliance of IS 13875 & IEC 61236 as required. OEM Must have BIS certificate and & shall have submit NABL / CPRI / ERDA lab test reports before execution & All as per pre approved by Engineer in charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					0.00
	E080401	Digital type	5	Nos	1083.00	Each	5415.00
13	E080600	Providing & Fixing of CT operated direct reading type IP- 51 Ampere meter on existing panel as per PWD specification for electrical Works, making connection by PVC insulated copper conductor with PVC sleeves / channel etc. Ampere meter shall give true RMS measurement, Acc. CI 1.0 or better, Measuring current range 50 mA to 6 A, with Field-programmable primary and secondary values CT primary up to 15000 A, Field-programmable high and low threshold values as required, compliant to IS 13875, & IEC 61326. OEM Must have BIS certificate and & shall have submit NABL / CPRI / ERDA lab test reports before execution & All as per pre approved by Engineer in charge. For additional technical parameter of products/ work, refer Annexure "A" attached with this BSR.					0.00
	E080610	Digital type Confirming to IEC 62053-21					0.00
	E080611	Below 500 A	3	Nos	1069.00	Each	3207.00
14	E040100	supplying and drawing FR PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked (IS 694) and as per IS 8130 : 2013 of 1.1 kV grade. Wire should be made from 99.99% purity copper, class 5 stranding in acc. to IEC 60228 for lower watt loss, oxygen free (<10 ppm) for less chances of oxidation and higher silver content for gives better conductivity, insulation PVC type A or C, flame retardant as per IS 10810-53, better amperage rating as per VDE 0298 part 4, in existing surface or recessed PVC/ MS conduit/casing capping including all as per pre approved by Engineer in charge, making connections, etc. as required. OEM Must have its own in house NABL lab setup for all testing facilities for wires. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	E040101	1 x 1.5 sq. mm	50	Mtr	12.00	RM	600.00
15	E110100	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Unarmoured / Armoured aluminium cable of 1.1 KV grade as per PWD specification for electrical Works in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench with filling of excavated earth in trench, on existing cable trays or on surface etc. including making necessary connection, testing etc. as required of size and as per points (a), (b), (c), mentioned below - (a) Material - H4- Grade aluminium conductor of purity >99.6 % & as per IS:1554 P-1 / IS: 7098 P-1 (b) conductor shall have electrolytic aluminium confirming to IS 8130, IS 3975-1999 for armoured cables in armoured cable items, IS 5831 for sheath, IS 10810 (Part 0 to 64) for testing procedures. (c) OEM Must have ISO 9001 & 14001 certifications for quality assurance & its own in house NABL lab setup for all testing facilities for cables. Appropriate type test certificate / OEM test report shall be submitted. All above as per pre approved by Engineer in charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	E110130	Armoured Cable					
	E110135	250 Sq. mm					
	E110135	4 core	60	Mtr	169.00	RM	10140.00
TOTAL							461906.50

Vind
XEN(Elect)
JMC

I agree to do above "G" Schedule work @ above/below on RUIDP 2022 electric with JMC terms and conditions.

Signature of Contractor

JODHPUR MUNICIPAL CORPORATION (SOUTH)

2

Name of work:- **Supply and stringing of phase wire and installatino of timer in ward no 78 to 80 JMC South zone.**

RUDIP-2022

		Schedule	("G" Schedule)			
Sn.	CODE no	PARTICULARS	QTY.	RATE	AMOUNT	
1	E190100	Supply and erection of P C C/R C C pole as per REC manual no 15/1979 & as per PWD / DISCOM specification for electrical Works conforming to IS 2905.1966 including excavation of pit and back filling with stone aggregate/boulders and soil in 0.45m consolidating each deposited layer of 0.45m by ramming and watering etc complete in all respect All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR				
	E190102	9.0 Mtr long (200 Kg) as per PWD / DISCOM specification	10	Nos	3423.00	Each 34230.00
2	E190300	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR				
	E190301	LT cross arm 600 mm long with clamp	200	Nos	285.00	Each 57000.00
3	E190400	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 suitable for working voltage 1100 volts including all accessories like hot dip GI forged spindle of 260mm long and nuts etc as reqd as per standard Discom specification All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR				
	E190401	105mm x 65mm	120	Nos	55.00	Each 6600.00
4	E190500	Supply and fixing of porcelain shackle insulator as per IS 1443 1979 suitable for working on 1100 volts including hot dipped GI accessories and heavy duty hardwares etc as required as per PWD / DISCOM specification. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR				
	E190501	75mm x 90mm	80	Nos	61.00	Each 4880.00
5	E192600	Supplying and drawing of ISO certified company made XLPE insulated LT Aerial bunched Aluminium conductor cable confirming to IS 14255/1995 and IS 398 (Pt-4)/1994 on existing cross arms through I hook with all necessary T&P required including binding and twisting etc complete in all respect as required as per PWD / DISCOM specification. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR				
	E192603	1 X 25 sq. mm. + 1X25 sq mm (insulated)	5300	Mtr	55.00	RM 291500.00
6	E081000	Providing & Fixing of ISO certified company made UL listed , IP 65 110/220 V, unibody LED Indicating lamp IEC 60947 , CSA 22.2 with integral circuit, IP 20 terminal block, Approx body dia for panel not less then 20 mm, length min. 50mm, front LED cover dia min. 29 mm, contact material phospher bronze for Led, PCB contacts shall be of brass (tin plated), impulse dielectric tested for 2.5 KV, Rated insulation resistance shall be 100 M ohm at 500VDC including connection etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR				
	E081001	Red/yellow/Green colour	15	Nos	131.00	Each 1965.00
	E081002	Blue / white Colour.	5	Nos	215.00	Each 1075.00
7	E082100	Providing & Fixing of mechanical / digital time switch having following day / week programme and minimum 100 hours reserve and AC1 rating of 16-20 amperes including making connection, programming conforming to IEC 60730-1 and 60730-2-7 etc. as required All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR				
	E082102	One day & week reserve (digital type)	5	Nos	4692.00	Each 23460.00
8	E082400	P & F Cam operated rotary switches on existing panel with 2 way and off position				
	E082440	Four pole				
	E082443	63 A	5	Nos	1578.00	Each 7890.00
9	E081600	Providing & Fixing of AC operated heavy duty 230 /440 Volt power contactor as per PWD specification for electrical Works, ISI marked IS/IEC 60947-4-1 : 2000 having provision of mechanical interlocking, auxiliary contacts, Din rail mounting type including making connections, testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/work , refer Annexure "A" attached with this BSR				
	E081620	4 pole Power contactors with following AC 1 Rating				
	E0816204	63 Amp	5	Nos	3464.00	Each 17320.00
10	E080100	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel as per PWD specification for electrical Works, made out of CRCA sheet Other parameters required as per point (a) ,(b), (c), (d) below - (a) Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any compartment and be of 2.0 mm above 600 mm Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required Side walls and cable alley compartments having bolted type doors with / without detachable extension type structure (b) panel shall be duly treated for derusting in 7 tank process with dephosphating and with powder coating of minimum 70 microns on both side of panel in desired shade The panel having PU. Neoprene rubber gasket of not less than 3mm thickness ,required hardware, separate detachable gland plate M.S. base channel (min75mm) , hinged door with locking arrangement for equipment switchgear. (c) Interconnection between bus bar and switchgears /cable shall be rigidly supported and made out by flexible copper wires (up to 125 amp) and by solid bus bar (>125 amp) All joints / interconnections of copper bus bar shall be dully tinned Clearance between main bus bar and risers / metal parts shall be at least 10 mm additional to width of bus	6.5	Sq Mtr	3541.00	Per Sq Mtr. 23016.50

11	E080200	Supplying and fixing of Aluminium (IEC 60105 ISO 209-1,2) / Copper (IEC 60028) bus bar as per PWD specification for electrical Works, by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending, cutting in required shape and size and colour coding with heat shrinkable PVC sleeves. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	E080201	Electrolytic grade Aluminium bus bar 6010 grade	5	KG	458.00	Per KG	2290.00
12	E080400	Providing & Fixing of IP-51 (upto 500) V range Volt meter on existing panel as per PWD specification for electrical Works, making connection by PVC insulated copper conductor with PVC sleeves / channel etc. Meter shall give true RMS measurements, acc. CT 1.0 or better, with field programmable primary & sec. values PT(VT) primary upto 2000 KV. Field-programmable high and low threshold values, meter shall compliance of IS 13875 & IEC 61236 as required. OEM Must have BIS certificate and & shall have submit NABL / CPRI / ERDA lab test reports before execution & All as per pre approved by Engineer in charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					0.00
	E080401	Digital type	5	Nos	1083.00	Each	5415.00
13	E080600	Providing & Fixing of CT operated direct reading type IP-51 Ampere meter on existing panel as per PWD specification for electrical Works, making connection by PVC insulated copper conductor with PVC sleeves / channel etc. Ampere meter shall give true RMS measurement, Acc. CT 1.0 or better, Measuring current range 50 mA to 6 A, with Field-programmable primary and secondary values CT primary up to 15000 A, Field-programmable high and low threshold values as required, compliant to IS 13875, & IEC 61226. OEM Must have BIS certificate and & shall have submit NABL / CPRI / ERDA lab test reports before execution & All as per pre approved by Engineer in charge. For additional technical parameter of products/ work, refer Annexure "A" attached with this BSR.					0.00
	E080610	Digital type Confirming to IEC 62053-21					0.00
	E080611	Below 500 A	5	Nos	1069.00	Each	5345.00
14	E040100	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade. Wire should be made from 99.99% purity copper, class 5 stranding in acc. to IEC 60228 for lower watt loss, oxygen free (<10 ppm) for less chances of oxidization and higher silver content for gives better conductivity, insulation PVC type A or C, flame retardant as per IS 10810-53, better amperage rating as per VDE 0298 part 4, in existing surface or recessed PVC/ MS conduit/casing capping including all as per pre approved by Engineer in charge, making connections, etc. as required. OEM Must have its own in house NABL lab setup for all testing facilities for wires. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	E040101	1 x 1.5 sq mm	50	Mtr	12.00	RM	600.00
15	E110100	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Unarmoured / Armoured aluminium cable of 1.1 KV grade as per PWD specification for electrical Works in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench with filling of excavated earth in trench, on existing cable trays or on surface etc. including making necessary connection, testing etc. as required of size and as per points (a), (b), (c), mentioned below:- (a) Material :- H4- Grade aluminium conductor of purity >99.6 % & as per IS 1554 P-1 / IS 7098 P-1 (b) conductor shall have electrolytic aluminium confirming to IS 8130, IS 3975-1999 for armoring of cables in armoured cable items, IS 5831 for sheath, IS 10810 (Part 0 to 64) for testing procedures. (c) OEM Must have ISO 9001 & 14001 certifications for quality assurance & its own in house NABL lab setup for all testing facilities for cables. Appropriate type test certificate. OEM test report shall be submitted. All above as per pre approved by Engineer in charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	E110130	Armoured Cable					
	E110135	25.0 Sq mm					
	E110135E	4 core	100	Mtr	169.00	RM	16900.00
TOTAL							499486.50

Kind
XEN(Elect)
JMC

I agree to do above "G" Schedule work @above/below on RUIDP 2022 electric with JMC terms and conditions..

Signature of Contractor

Jodhpur Municipal Corporation (South), Jodhpur

3

Name of work:-

Renovation work at Madan Park Central School Scheme near Judge Banglaw, JMC South Zone.

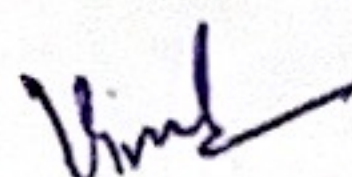
RUIDP-2022

Sn.	CODE no	Schedule PARTICULARS	("G" Schedule)			AMOUNT	
			QTY.		RATE		
1	E181300	Providing & Fixing of IK07 IP 66 protected LED Street Light Luminaire on existing bracket/pole. Fixture made of powder coated single piece pressure die cast aluminum LM6/ ADC12 material with heat dissipation fins on housing with UV stabilized PC/Toughened Glass cover (UV stabilization report submitted for UV cover) and secondary lens on each LED & should be SMD type. The System level Luminaire efficacy ≥ 120 lm/ wt with High Power LEDs is to be used and potted driver must be potted & has a unique BIS R number with Input Voltage AC 120 to 270 V AC with High voltage Cutoff ≥ 300 V AC and Auto resetting Safety. Input Frequency $50\text{Hz} \pm 3\%$ Power Factor > 0.95 driver Efficiency $> 85\%$, THD(I) $< 10\%$ Humidity 10% to 90% RH Working Temp -5C to 45C driver current $< 1000\text{mA}$ shown in LM79 report. The luminaire shall be BIS certified and T C certified Life Expectancy Equal or more than 50000 burning hrs with Minimum 70% lumen maintained, color Rendering Index > 70 and CCT 5700K $\pm 355\text{K}$. Surge protection shall be $\text{min} \geq 4$ KV internal and $\text{min} 10$ KV external driver should be Phase to phase protection of 440 V for 4 Hrs. Manufactures Word Mark/Name Engraved/Embossing on die cast housing to allow traceability/authenticity. Fixture shall be AS PER IS 10322 Complianced.					
	E181301	LED Street Light fixture 20 Watt	26	Nos	1,843.00	Each	47918.00
3	E181600	Providing & Fixing of thermoplastic Polycarbonate cable junction boxes with IP66 rating of protection & knock out for cable entry/out of following sizes including clamps for holding the box, including cost of DIN rail for MCB mounting, 10 Sqmm 4 pole connectors for cables terminals, threaded cable glands made of polyamide material etc. complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	E181601	175mm x150mm x100mm	26	Nos	509	Each	13234.00
3	E040100	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade. Wire should be made from 99.99% purity copper, class 5 stranding in acc. to IEC 60228 for lower watt loss, oxygen free (< 10 ppm) for less chances of oxidization and higher silver content for gives better conductivity, insulation PVC type A or C flame retardant as per IS 10810-53, better amperage rating as per VDE 0298 part 4, in existing surface or recessed PVC/ MS conduit/casing capping including all as per pre approved by Engineer in charge, making connections, etc. as required. OEM Must have its own in house NABL lab setup for all testing facilities for wires. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	E040102	2 x 1.5 sq.mm	150	Mtr.	25.00	RM	3750.00
4	E110100	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Un armoured / Armoured aluminium cable of 1.1 KV grade as per PWD specification for electrical Works in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench with filling of excavated earth in trench, on existing cable trays or on surface etc. including making necessary connection, testing etc. as required of size and as per points (a), (b), (c), mentioned below: (a) Material :- H4- Grade aluminium conductor of purity $> 99.6\%$ & as per IS:1554 P-I / IS :7098 P - I (b) conductor shall have electrolytic aluminium confirming to IS 8130, IS 3975-1999 for armoring of cables in armoured cable items, IS 5831 for sheath, IS 10810 (Part 0 to 64) for testing procedures. (c) OEM Must have ISO 9001 & 14001 certifications for quality assurance & its own in house NABL lab setup for all testing facilities for cables. Appropriate type test certificate / OEM test report shall be submitted. All above as per pre approved by Engineer in charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR					
	E110130	Armoured Cable					
	E110133	10.0 Sq.mm					
	E110133C	4 core	500	Mtr.	112.00	RM	56000.00

5	E010400	S&T following sizes (dia.) of ISI marked MMS (IS:9537 P - III) virgin material PVC conduit as per PWD specification for electrical Works along with its accessories (IS: 3419) as required in recess including cutting the wall covering conduit and making good the same as required. All relative and latest acceptance tests reports by any NABL accredited lab for the conduit shall be submitted before execution & All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
	E010410	MMS (IS.9537 P - III) PVC conduit					
	E010414	40 mm	100	Mtr.	80.00	RM	8000.00
6	E140100	Pipe Earthing as per PWD specification for electrical Works as per IS:3043-1987 with 3.0 Mtr. Long, 40 mm dia. ' B ' class G.I. Pipe IS: 1239 (Part-1) 2004, Equivalent to BS : 1387 with perforated holes of 12 mm dia ,including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and Heavy duty weather proof poly-propylene earth pit chamber with lockable Jam free lid suitable for safe working load 5000 Kg or more of size Top Dia. 225 to 260 mm, Bottom Dia 300 to 350 mm, and Height 250 to 300 mm, and embodying the pipe complete with alternate layers salt and coke/ charcoal, testing of earth resistance for value of 5 ohms or less as required & must record by engineer in charge during site visit and ensure to enter in measurement book. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A"	1	Nos	2254.00	Each	2254.00
7	E181700	Providing & Fixing of Street light bracket made out from following size of ' B ' class , Medium class G.I. Pipe conforming to IS : 1239 P - I (2004) with heavy duty pole clamp, Saddles suitable fastners etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	E181702	25 mm Dia	26	Mtr.	226.00	RM	5876.00
8	E100100	Providing & Fixing of ISO certified company made TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure as per PWD specification for electrical Works conforming to IS/IEC 60947-3 : 1999 (W/O HBC fuses) including making connections with suitable lugs, testing etc. as required. Appropriate type test certificate / OEM test report shall be submitted . All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
	E100101	63 A rating	1	Nos	5623.00	Each	5623.00
TOTAL G Schedule							142655.00
Say							

H Schedule

S.No.	CODE.NO.	PARTICULARS	QTY.	UNIT	RATE	UNIT	AMOUNT
1		Removing and refixing of existing pole and repaired, in all respect with required iron angle support/ required CC Pedastal work etc as per requirement and direction of engineering incharge. As per site condition. Deposit unused material at JMC store including loading and unloading	26	Nos		Each	
2		Coloring of existing Heritage pole	26	Nos		Each	
Total H Sch							
TOTAL G+ H Schedule							


NEN(Elect)

I agree to do above "G" Schedule work @above/below on RUIDP 2022 electric with JMC terms and conditions..

H Schedule 1)..... Each

2)..... Each

Signature of Contractor

JODHPUR MUNICIPAL CORPORATION (SOUTH)

(4)

Name of work:- **Supply and installation of Highmast light at sainik puri choraha , JMC South zone.**
RUIDIP-2022

		Schedule	("G" Schedule)		
Sn.	CODE no	PARTICULARS	QTY.	RATE	AMOUNT
1	E180900	Supply installation testing & Commissioning of ISO certified company made high mast lighting system (as per PLG 07 of ILP UK technical report no 7 of ILE UK /IS 875 Part-I - 2015- BSEN10025 and IS 2062)consisting of totally hot dip galvanized by single dipped method high mast, lantern carriage suitable for up to 12 nos luminaries with welded arm (excluding luminaires), mast head frame assembly with full cover including 1 No LED 15 Watts aviation obstruction lights, double drum type self sustaining winch, integral power tool accesible from door with padlocking arrangement (winch motor with control circuit) hot dipped galvanized heavy duty pipe lightening finial, S.S ropes (AISI 316, 7 - 19 costruction), EPR insulated PCP sheathed trailing cable, including outdoor type control panel for auto on / off, reverse / forward motor operation and CC foundation of M - 25 grade complete as required as per IS 456/IS 2911. The mast is constructed from mild steel plates (as per IS 5986 Gr 510) cut and folded to form a polygonal section, telescopic jointed and welding as per BS 5135. (See table P - 03 for specs.) OEM Must have Type test certificate for wind tunnel test for High mast fixtures, complete in all respect All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR			
	E180901	12.5 Mtr HM (in 2 section)	1	Nos. 151473.00	Each 151473.00
2	E181200	Providing & Fixing of IK07 IP-66 protected high power LED flood light system with Pressure diecast aluminium housing LM6/ ADC12 material , toughened glass diffuser with suitable lenses on LED to achieve various beam angles, 240 volt, 50Hz, of high power LED lamps. Integrated driver must be potted & has a unique BIS R number shall be high efficiency having efficiency more than 85 % and in compliance to BIS certified and T C certificate. The System level Luminaire efficacy ≥ 120 lm/ wt with High Power LEDs is to be used LED driver Input Voltage AC 120 to 270 V AC with High voltage Cutoff @ ≈ 300 V AC and Auto resetting Safety Input Frequency 50Hz $\pm 3\%$, Power Factor ≈ 0.95 driver Efficiency $\approx 85\%$, THD(I) $< 10\%$, driver current < 1000 mA shown in LM79 report. driver should be Phase to phase protection of 440 V for 4 Hrs. Electrical Connector Must be provided, Surge Protection Min ≥ 4 KV internal and 10KV external, System life of 30000 Burning hours with 70% of Initial Lumens maintained, color Rendering Index > 70 and CCT 5700K ± 355 K. Driver current < 1000 mA shown in LM79 report. Manufactures Word Mark/Name graved/Embossing/Screen printing on die cast housing to allow traceability/authenticity. Fixture shall be IS 10322 Complianced OEM Must have its own in house NABL lab setup for all testing facilities for LED fixtures (LM79/LM80) Certificate/ report with liable warranty of product/accessories from OEM shall be submitted All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.			
	E181207	High Power LED Flood Light 150W	6	Nos 11984.00	Each 71904.00
3	E110100	Providing & Laying P.V.C / XLPE insulated & P.V.C. sheathed Unarmoured / Armoured aluminium cable of 11 KV grade as per PWD specification for electrical Works in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench with filling of excavated earth in trench , on existing cable trays or on surface etc. including making necessary connection, testing etc. as required of size and as per points (a), (b), (c), mentioned below - (a) Material - H4- Grade aluminium conductor of purity $> 99.6\%$ & as per IS 1554 P-I / IS 7098 P - I (b) conductor shall have electrolytic aluminium conforming to IS 8130, IS 3975-1999 for armouring of cables in armoured cable items , IS 5831 for sheath, IS 10810 (Part 0 to 64) for testing procedures (c) OEM Must have ISO 9001 & 14001 certifications for quality assurance & its own in house NABL lab setup for all testing facilities for cables. Appropriate type test certificate OEM test report shall be submitted All above as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.			
	E110130	Armoured Cable			
	E110134	16 sqmm			
	E110134	4 core	80	Mtr 127.00	RM 10160.00
TOTAL					233537.00

Kish
XEN(Elect)
JMC

I agree to do above "G" Schedule work @ above/below on RUIDP 2022 electric with JMC terms and conditions.

Signature of Contractor