

# MUNICIPAL CORPORATION KOTA NORTH (ELECT. DEPT.)

## G/H – SCHEDULE

Estimate : No. 26/23-24

Amount : 49.99 Lakhs.

Earnest money : 99980/-

Tender cost : 2500/-

Name of Work : Installing water coolers in wards under Municipal Corporation Kota North.

Name & Address of Tenderer.....

S.No.	BSR CODE	Item Description	Quantity	Units	Rate	Amount
<b>Part - A (RUIDP SOR 2023)</b>						
1	72.21	Earth work in excavation/ by mechanical means (Hydraulic Excavator) / Manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed:	65.00	Cum	218.00	14170.0
2	72.24	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	22.00	cum	5101.00	112222.0
3	13.2.2	Random rubble stone masonry work in cement mortar with mechanical mixer in foundation (at any level) complete as per drawing and technical specification and as per clause 1000 and 1400 of MoRT&H specification including all scaffolding material, labour, machinery but excluding pointing and plastering. In cement mortar 1:4 (1 cement : 4 coarse sand)	25.00	Cum	5270.00	131750.0
4	72.25.2	Plaster on new surface on wall in cement sand mortar 1:4 including racking of joints etc. complete fine finish : 12mm thick	160.00	SQM	483.00	77280.0
5	72.26.1	finishing wall with water proofing cement paint of approved brand and manufacture and or required shade to give an even shade including all scaffolding: New work (Two or more coats applied @ 3.84 kg/10 sqm).	70.00	SQM	124.00	8680.0
6	72.2	Supply & fabrication steel structure with MS channel / angle / joist / ISMB /sheet etc. including welding, rivetting, cutting, nut & bolt , one coat of primer & two coat of enamel paint etc. as required 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 .	4375	kg	138	603750.0
7	72.27	Providing and fixing welded mesh/expanded metal mesh 25 mmx 25 mm x 3mm in frame work, flat iron beading 20x3mm including top cross laps inside and out sides welding, iron bolts, crews, clips etc. including two coat of red oxide and two coat of enamel paint or more required complete with frame work with 50 X 50 X 6mm angle iron post 30 cm in ground embedded in cement concrete 1:3:6 (30X30X 45cm) at corner and every three mtr including painting with one coat of primer and two coat of enamel paint work will be done as per direction of engineer incharge of size 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 . Welded mesh 25 mmx 25 mm x 2.1 mm	300	sqm	1657	497100.0
8	60.1.4.1	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Un-Armoured Aluminium cable conforming to IS:1554 P-I / IS :7098 P - I of 1.1 KV with H4-Grade electrolytic aluminium conductor conforming to IS 8130 of purity >99.6 %, Inner / outer sheath conforming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/ cable trench / Cable tray (with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR 16.0 Sq. mm 2 core	250	Mtr.	123	30750.0

9	63.2	Plate Earthing as per PWD specification for electrical Works as per IS:3043 with Hot dipped G.I. Earth plate of size 600mm x 600mm x 6.0mm by embodying 3 to 4 mtr. below the ground level with 20 mm dia. G.I. 'B' class watering Pipe ,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" attached with this BSR .	35	set	5876	205660.0
10	63.6.7	Supply & Laying following size earth wire in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection with GI/Cu purity purity >95% thimble 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 . 6 SWG G.I. ( Hot Dipped ) Wire	50	Mtr.	28	1400.0
11	71.49.1	Supply, Installation, Testing and Comissioning of IS:1475 marked self contained drinking water cooler with hermetically sealed compressor,non CFC refrigerent suitable for operation on 230V/1pH/50Hz AC supply,Full stainless steel (SS304) body (0.8 mm thick) and tank (0.5 mm thick) , stainless steel water tray,minimum two nos Brass Chrome plated faucets and suitable drainage system complete in all respect with required height MS fabricated and Painted Angle iron frame (Cost of frame to be paid Extra) complete in all respect of the following capacity. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR . cooling capacity 150 Ltr./Hr. and storage capacity 150 Ltrs	30	Each	77775	2333250.0
12	55.1.2.2	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/ C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947- 2, low watt losses, trip free mechanism , energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm. , conductor line load reversibility , IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR Double pole MCB (With B/C curve tripping Characteristics) 6 A to 32 A rating	35	Each	580	20300.0
13	56.37	Supplying and fixing of power plug point with Modular accessories as per PWD specification for electrical Works, on hot dipped galvanized modular box of 1.2 mm thick with earthing terminal/connector on surface or in recessed with suitable size of modular face plate with grid plate and cover plate including cost of ISI marked modular 16 amp. Switch (IS :3854) and 6/16 amp. socket outlet (IS:1293) making connection , testing , etc. as required. For specification of Wiring accessories refer Chapter-56 related item & For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	35	Each	595	20825.0
14	50.3.2	Wiring of 3/5 pin 6 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade(IS:694) in recessed ISI marked MMS ( IS:9537 P - III ) PVC conduit & it's ISI marked (IS:3419-1988)accessories, Hot Dipped Galvanized Modular box of 1.2 mm thick with earth terminal, 10 A modular switch, 3/5 pin 6 A modular socket, Modular face plate with grid plate, screws, making connections, testing etc. as required. For specification of copper Conductor, Phenolic Laminated sheet's & Electrical/ Wiring accessories refer Chapter-53, 54 & 56. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR Short point (up to 3 mtr.)	35	P. Point	520	18200.0
15	56.11	Providing & Fixing of 3/6 pin 16 amp flush type non modular socket as per PWD specification for electrical Works, made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal with Porcelain based back cover & captive screws including cutting hole in tile and making connection 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 .	35	Each	80	2800.0

16	34.47	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	15000	P. Ltr	8.8	132000.0
17	34.1	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work : 20 mm dia. nominal bore	300	Mtr.	320	96000.0
18	31.1.1	Providing corrugated G.S. sheet roofing including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete upto any pitch in horizontal/ vertical or curved surfaces) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required, 1.00 mm thick with zinc coating not less than 275gm/m <sup>2</sup>	35	sqm	1241	43435.0
19	34.6.2	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings i/c trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work PN - 16 Pipe, 20 mm OD	250	Mtr.	196.5	49125.0
20	34.13.1	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore	35	Each	630	22050.0
21	34.55.1	Providing and fixing PTMT pillar cock of approved quality and colour 15mm nominal bore, 107mm long. Weighing not less than 110 gms.	35	Each	242	8470.0
22	34.58.1	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball. 15 mm nominal bore, 105 mm long. Weighing not less than 138 gms.	35	Each	223.5	7822.5
23	34.18.2	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore	35	Each	379.5	13282.5
24	803	G.I. tees (equal) 25 mm	90	Each	42	3780.0
25	772	G.I. elbows 20 mm dia	90	Each	30	2700.0
26	812	G.I. Union 20 mm nominal bore	90	Each	70	6300.0
27	8071	Supply of P.V.C. hose pipe 38 m dia at site/ store i/c all complete	100	Mtr.	99	9900.0
28	14.1.2	Brick masonry work with First class FPS bricks (min. 10.5 Mpa) in cement mortar with mechanical mixer in substructure/ super structure at all levels complete as per clause 1300 and 2200 of MoRT&H specification including all material, labour, scaffolding etc but excluding pointing and plastering. In cement mortar 1:4 (1 cement : 4 coarse sand)	40	Cum	6060	242400.0
<b>Total Part - A</b>						<b>4715402.00</b>
<b>Terms &amp; Conditions – Enclosed – 1</b> I/We here by Execute the above work. (i) .....% (above/below) in figures. (ii) .....% (above/below) in words.  <b>Signature of Tenderer</b> .....						
<b>Part - B (Non BSR)</b>						
1		SITC of RO water system with filtration stage = Particulate Filter- Membrane Life enhancer Filter- Sediment filter- Pre carbon Filter- RO Membrane Filter- Post Carbon Filter, Input power Rating- 23 V AC, 50Hz, Percentage of Rejection TDS- 90 % or Better Having following Features (a) Double Purification by RO with ESS or Latest technology with TDS indicator. (b) Spin Welded Ro Membrane Housing to Prevent tempering. (c) push fit components for Leak Proof performance (d) fully Automatic operation with auto start and auto Off. (e) SS/ABS Construction for corrosion free Lifespan. (f) Equally suitable for water from all bore wells, overhead storage tanks, water tankers and even municipal taps. (g) RO Membrane Flushing-Auto Flush @ Every start, Every stop and every one hour of working for one minute. Complete in all respect with following capacity. Purification Capacity- 50 LPH, Duty Cycle 270-500 Ltrs./Day	5	Each		
<b>Total Part - B</b>						
<b>Grand Total (Part A + Part B)</b>						
<b>Terms &amp; Conditions – Enclosed –</b>						

Signature of Tenderer

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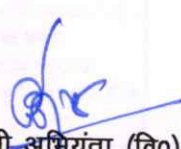
  
**EXECUTIVE ENGINEER (ELECT.)**  
**MUNICIPAL CORPORATION KOTA NORTH**

**शर्तः-**

1. सशर्त निविदाएं मान्य नहीं होंगी।
  2. कार्य स्वीकृति पश्चात् 5 प्रतिशत एस.डी. 7 दिवस में जमा करानी होगी, तथा एग्रीमेन्ट करवाना होगा।
  3. तकनीकी बिड में सभी वांछित दस्तावेज संलग्न किये जावें, तथा वित्तीय बिड में अपनी दरें दी जावे। तकनीकी बिड में सफल संवेदकों की ही वित्तीय बिड खोली जावेगी।
  4. वाटर कूलर/टैंक/एक्वागार्ड/वाटर सेंसर/केबल आदि के चालान/बिल/टेस्ट सर्टिफिकेट की फोटो प्रतियां भुगतान से पूर्व प्रस्तुत करनी होंगी।
  5. पार्ट-ए की दरें, स्फेसीफिकेशन आदि RUIDP. SOR 2023 के अनुसार रहेगी तथा दरें सभी आइटम्स में एक समान Above/ Below दी जावें तथा पार्ट -बी में अपनी दरें दें।
  6. कार्य करते समय अगर केई0डी0एल0/ज0 वि0 वि0 नि0 लि0 की लाईन बंद कराने की आवश्यकता है, तो स्वयं संवेदक द्वारा केई0डी0एल0/ज0 वि0 वि0 नि0 लि0 में संपर्क कर लाइन बंद करवानी होगी।
  7. कार्य निगम सहायक अभियंता विद्युत/कनि0 अभि0/अधिकारियों के निर्देशों के अनुसार करना होगा, तथा कार्य निर्देशित अवधि में पूर्ण कराना होगा। कार्य की समय अवधि कार्यादेश तिथि से 1 वर्ष/आगामी आदेशों तक रहेगी।
  8. दरें सभी टेक्स सहित दी जावें अगर कोई टेक्स लगता है तो संवेदक को स्वयं अपने स्तर पर जमा कराना होगा।
  9. कार्य के दौरान कोई भी चोरी चकारी, टूट फूट, दुर्घटना आदि की जिम्मेदारी संवेदक की होगी।
  10. निविदा दर SOR से कम होने पर अन्तर राशि की बैंक गारंटी/DD विभाग में टेण्डर स्वीकृत होने के 7 दिवस के अन्दर-2 जमा करानी होगी, अन्यथा धरोहर राशि जब्त की जाकर निविदा निरस्त करदी जावेगी।
  11. जहां भी कार्य किया जावे कार्य से पूर्व तथा कार्य पश्चात् का एक एक फोटो प्रस्तुत करना होगा। इसके अभाव में संवेदक का भुगतान नहीं किया जावेगा।
  12. निविदादाता को निम्न योग्यता धारक होना आवश्यक है।  
(अ) संवेदक का किसी भी सरकारी अथवा अर्द्ध सरकारी विभागों में E-1/EWSD-1 श्रेणी में पंजीकृत होना अनिवार्य है।  
(ब) संवेदक/फर्म को किसी भी सरकारी/ अर्द्धसरकारी विभागों में BOQ में उल्लेखित वाटर कूलर की संख्या का 25% संख्या के बराबर वाटर कूलर लगाने का अनुभव होना आवश्यक है। (कार्यादेश एवं अनुभव प्रमाण पत्र संलग्न करें अन्यथा तकनीकी बिड निरस्त कर दी जावेगी)
- अथवा
- निविदादाता का वाटर कूलर्स का मूल उपकरण निर्माता/अधिकृत विक्रेता (Authorize dealer) होना आवश्यक है। (संबंधित दस्तावेज संलग्न करें।)
13. उक्त कार्यों में वाणिज्य आइटम एक दूसरे से जुड़े हुये हैं अतः इन्हें अलग-अलग संवेदक से संपादित नहीं करवाया जा सकता है अतः कार्य की प्रकृति को देखते हुये संपूर्ण कार्य में जिसकी दरें न्यूनतम होगी उसी संवेदक को प्रथम न्यूनतम दरदाता माना जावेगा।
  14. कार्य की दोष निवारण अवधि 2 वर्ष होगी (लगाई गई तिथि से) तथा 2 वर्ष तक वाटर कूलर्स की मेन्टेनेन्स करनी होगी, तथा वाटर कूलर चालू रखने होंगे, जिसका भुगतान नहीं किया जावेगा। कम्प्रेसर की गारंटी निर्माता कम्पनी के नियमानुसार रहेगी।
  15. अन्य शर्तें/नियम RTPP Act 2012 & Rules 2013 अनुसार रहेंगे।

हस्ताक्षर निविदादाता

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अधिशाषी अभियंता (वि0)  
नगर निगम कोटा उत्तर