



RAJASTHAN STATE WAREHOUSING CORPORATION

(A Government Undertaking)

राजस्थान राज्य भण्डारव्यवस्था निगम

(सरकार का प्रतिष्ठान)

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प्रधान कार्यालय : भवानी सिंह मार्ग,
जेडीए के पास, जयपुर-302 015

No.:H.O./Eng./NIT-01/2019-20/ 10163

Dated: 26/7/2019

Corrigendum

In Partial modification to the NIT No. 01/2019-20 dated 18.07.2019 the work mentioned at Sr. No.7 (Repair work conversion of Roof Sheets, Water Harvesting Structure & Electrification work at RSWC Jhalarapatan Distt. Jhalawar) in which estimated cost mentioned as Rs.110.00 lacs and Bid security amount mentioned as Rs. 2,20,000/- should now be read as estimated cost Rs. 92.00 lacs and Bid security amount is Rs. 1,84,000/-. As per new amount of estimated cost the technical bid Proforma is not required. Now, the financial bid for this work shall be opened on 01.08.2019 at 12.00 Noon, in place of technical bid. All the other terms and conditions of the NIT will remain same. New tender document for this work has been uploaded afresh.


26.7.2019
Executive Engineer

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Percentage BoQ

Tender Inviting Authority: Managing Director, RSWC

Name of Work: Repair work, Conversion of Roof sheets, Water Harvesting and Electrification work at State Warehouse, Jhlapatan

Contract No: RSWC/Eng./Tender/

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1	Repair work					
1.01	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge: In cement mortar.	30.00	cum	392.00	11760.00	INR Eleven Thousand Seven Hundred & Sixty Only
1.02	Dismantling roofing including ridges, hips, valleys and rafters etc. and stacking the within 50 meter lead of:Asbestos Sheet.	8600.00	Sqm	14.00	120400.00	INR One Lakh Twenty Thousand Four Hundred Only

1.03	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils	30.00 cum	149.00	4470.00	INR Four Thousand Four Hundred & Seventy Only
1.04	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size).	20.00 Cum	2284.00	45680.00	INR Forty Five Thousand Six Hundred & Eighty Only
1.05	Random Rubble stone masonry for foundation and plinth in Cement Sand Mortar above 30 Cm. thick wall in :Cement Mortar 1:6 (1-Cement:6-Sand).	30.00 Cum	2014.00	60420.00	INR Sixty Thousand Four Hundred & Twenty Only
1.06	Random Rubble stone masonry for superstructure above plinth level one storey height above 30 Cm. thick walls in :Cement Mortar 1:6 (1-Cement:6-Sand).	80.00 cum	2542.00	203360.00	INR Two Lakh Three Thousand Three Hundred & Sixty Only

1.07	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level. Hot rolled deformed bars (IS : 1139).	1000.00 Kg.	66.00	66000.00	INR Sixty Six Thousand Only
1.08	Providing and laying in position specified grade of cement concrete for all RCC structural elements upto plinth level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(as required) excluding the cost of centering, shuttering and reinforcement. M20 grade Nominal Mix / Design Mix	30.00 cum	4027.00	120810.00	INR One Lakh Twenty Thousand Eight Hundred & Ten Only
1.09	Centering and Shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundation , footings, strap beam, raft , bases of columns etc. Upto plinth level.	100.00 Sqm	91.00	9100.00	INR Nine Thousand One Hundred Only
1.1	Plaster on new surface on walls in cement sand mortar 1 : 6 including racking of joint etc. complete fine finished : 20 mm thick.	700.00 Sqm	105.00	73500.00	INR Seventy Three Thousand Five Hundred Only
1.11	Providing & fixing precast cement concrete coping 1 : 2 : 4 mix 50mm thick complete as per specification :	100.00 Sqm	178.00	17800.00	INR Seventeen Thousand Eight Hundred Only

1.12	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, making of lines or groove etc complete but excluding the cost of nosing of steps etc. complete. 75mm thick with 20mm thick nominal size aggregate.	500.00 Sqm	274.00	137000.00	INR One Lakh Thirty Seven Thousand Only
1.13	Providing batta (gola) 75 mm x 75 mm in cement concrete (1 : 2 : 4) including finishing with cement mortar 1 : 3 as per standard design.	1000.00 RM	33.00	33000.00	INR Thirty Three Thousand Only
1.14	Painting with enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work.	1000.00 Sqm	46.00	46000.00	INR Forty Six Thousand Only
1.15	White washing with lime to give an even shade including all scaffolding : New work (three or more coats).	5000.00 Sqm	7.00	35000.00	INR Thirty Five Thousand Only
1.16	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 (Three or more coats).	5000.00 Sqm	33.00	165000.00	INR One Lakh Sixty Five Thousand Only
1.17	Providing and fixing steel gate, grating , and grills made of angles, tees, square bars, flats,or black pipe with holdfast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide Extra if square,rectangular hollow tubular sections are used or grill made by flats only	1000.00 Kg.	87.00	87000.00	INR Eighty Seven Thousand Only

1.18	P & F 1st qualityVitrified Porcelain Polished tiles on floor, skirting and steps etc.in different sizes (thickness to be specified by manufactuer) with water absortion less than 0.08% and conforming to IS 15622 of approved make in all colour and shade, laid with 20 mm thick CM 1 : 4 including grounting the joints with white cement and matching pigment etc complete.size 600 mm X 600 mm	160.00 Sqm		1102.00	176320.00	INR One Lakh Seventy Six Thousand Three Hundred & Twenty Only
2	Electrification Work					
2.01	Wiring for light point/fan point/exhaust fan point/call bell 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) of approved make on surface ISI marked(IS-19427-P-II) PVCcasing capping and its accessories, round tiles, 18 SWG M.S. box with earth terminal, screwless cage connectors for neutral looping in switch board & false ceiling point 6 A switch, 3.0 mm. thick ISI marked phenolic laminated sheet, zinc plated/brass screw, cup washers, making connections, testing etc. as required. Short point (upto 3mtr.) Group-2					
2.02	(a) Short Point (upto 3 mtr.)	20.00	NOS.	172.00	3440.00	INR Three Thousand Four Hundred & Forty Only
2.03	(b) Medium Point (upto 6 mtr.)	10.00	NOS.	270.40	2704.00	INR Two Thousand Seven Hundred & Four Only
2.04	(c) Long Point (upto 10 mtr.)	10.00	NOS.	379.20	3792.00	INR Three Thousand Seven Hundred & Ninety Two Only

2.05	Wiring for 3 pin 5 amp light plug point with 1.5 sqmm. 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) of approved make in surface/recessed ISI marked medium duty PVC conduit and it's accessories, 18 SWG M.S. box with earth terminal, screwless cage connectors for neutral looping in swith board & falce ceiling point, 6 A swith, 6 A socket, 3.0 mm thick phenolic laminated sheet, zinc plated/ brass screws, cup washers, making connections, testing etc. as required on board. Grade-II.	20.00	POINT	72.00	1440.00	INR One Thousand Four Hundred & Forty Only
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2.06	P&F IP-65 protected LED street light luminaire on existing bracket. Fixture made from powder coated single piece pressure die cast aluminium housing with Heat dissipation fins on housing with UV stabilised PC/toughened glass cover lens/reflector. Input power (including driver loss) ranging from 20-25 W/30-40W/80-90W/110-120W with luminous efficacy >80Lumens /W(warm white)& >85Lumen/W(cool white)(As per LM79). LEDs of CREE / NICHIA / OSRAM / PHILIPS make is to be used at 1W /2W per LED,CRI>70 and CCT 2700K-6500K. The Integral SMPS based electronic driver must have efficiency >85%, power factor>0.95. THD >20% and input voltage range from 90-270 V AC at 50Hz.System life of 25,000 Burning Hours with 70% of initial Lumens maintained. Fixture must be in compliance with IS/CE Standards.LED Street Light fixture 20-25 Watts	12.00	Nos.	2748.00	32976.00	INR Thirty Two Thousand Nine Hundred & Seventy Six Only
2.07	Providing and fixing bracket made out of 'B' class G.I. pipe 38mm. dia in required size and shape fixed with M.S. clamps and nuts, bolts on wall or pole etc. as required mtr. B-Class.	12.00	RM	220.00	2640.00	INR Two Thousand Six Hundred & Forty Only
2.08	S&F 25 mm. size (dia) of ISI marked medium duty PVC conduit along with accessories in surface/recessed using saddles, clamps, fastener as required including cutting the wall and making good the same as required. Group-I (AKG, BEC, Polycab, Shrinath, Plaza). Grade-II.	600.00	RM	33.60	20160.00	INR Twenty Thousand One Hundred & Sixty Only

2.09	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required. Group p-2					
2.1	1 x 1.5 sq.mm	600.00	RM	11.90	7140.00	INR Seven Thousand One Hundred & Forty Only
2.11	2 x 2.5 sq.mm	600.00	RM	34.90	20940.00	INR Twenty Thousand Nine Hundred & Forty Only
2.12	2 x 4.0 sq.mm for powder circuit	600.00	RM	48.50	29100.00	INR Twenty Nine Thousand One Hundred Only
2.13	P/Laying PVC insulated & PVC sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554, P-I of category-2 of approved make in ground as per I.S. 1255 including excavation of 30 cm. x 75 cm. size trench, 25 cm thick under layer of sand and class bricks covering, refilling earth, compaction of earth, making necessary connections testing etc. as required of size 6 sqmm. 4 core armoured. (Vimal Power, Romson, Metro, Khaitan, JMP).	50.00	RM	146.00	7300.00	INR Seven Thousand Three Hundred Only
2.14	P&F two pin energy efficient compact fluorescent lamp in existing holder/fixture as required. 36 watt 4 pin Group-II	20.00	NOS.	141.60	2832.00	INR Two Thousand Eight Hundred & Thirty Two Only
2.15	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/C/D tripping characteristic) ISI marked IS 8828 (1996)/ conforming to IEC 60898 in existing boards/sheets including making connections with lugs, testing etc. as required 6 A to 32 A rating (Havells, HPL, SSK, Anchor, Khaitan).Grade-II.	10.00	NOS.	114.00	1140.00	INR One Thousand One Hundred & Forty Only

2.16	P&F 240/415 V isolator conforming to IS:13947-III/IEC 60947-3 on existing board/sheet including making connections with lugs, testing etc. as required 63 A rating (Havells, HPL, SSK, Anchor, Khaitan) Grade-II.	5.00	NOS.	286.00	1430.00	INR One Thousand Four Hundred & Thirty Only
2.17	P&F Recessed/Surface mounting heavy duty horizontal type sheet steel Distribution board phosphatised/ power painted complete with 100 A copper bus bar, shorting link, neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs, testing etc. as required Single door (single phase) 12 Way. Grade-II.	2.00	NOS.	564.00	1128.00	INR One Thousand One Hundred & Twenty Eight Only
2.18	Providing and fixing G.I. pipe (External work) with G.I. fittings (IS:1239) mark including trenching and refilling earth etc. 25mm. dia nominal bore B-class. (Jindal, Kisan, TT, Swastik.	10.00	RM	234.00	2340.00	INR Two Thousand Three Hundred & Forty Only
2.19	Wiring of twin control light point with 1.5 sqmm.nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 KV grade and 1.5 sqmm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 KV grade (IS : 694) approved make on surface ISI makred (IS:14927-P-II) PVC casing capping & its accessories, round tiles, moulded PVC modular box with earth terminal, screwless cage connectors for neutral looping in switch board and false ceiling point 6 A two way modular switch plate with grid plate screws, making connections, testing etc. as required.Medium point up to 6.0 meter.Group-II.	4.00	Nos	250.20	1000.80	INR One Thousand and Paise Eighty Only
2.2	Supplying and fixing of power plug point accessories on 18 SWG metal box of size 175 X 100 X60 mm on surface or in recessed with suitable size phenolic laminated sheet cover including cost of 6 pin 16 amp switch and socket outlet, making connections, testing etc as required.	4.00	Nos	199.80	799.20	INR Seven Hundred & Ninety Nine and Paise Twenty Only

2.21	P & F ISI marked Ding dong /musical chime bell including making connections, testing etc as required.	2.00	Nos	92.00	184.00	INR One Hundred & Eighty Four Only
2.22	Plate Earthing as per IS:3043 with G.I. earth plate of size 600x600x6mm.by embodying 3 to 4 mtr. below the ground level with 25mm dia GI B-class watering pipe including all accessories like nut, bolts, reducer, nipple, wire meshed funnel and C.C. finished chamber covered with hinged type with locking arrangement CI cover, CI frame of size 300mm x 300mm complete with alternate layer of salt and coke/charcoal, testing of earth resistance as required.	1.00	Nos	1650.00	1650.00	INR One Thousand Six Hundred & Fifty Only
2.23	Supplying and Laying 8 SWG copper wire/strips in horizontal or vertical run in ground/surface/recess including rivetting, soldering, saddles, making connections etc as required.	10.00	RM	6.00	60.00	INR Sixty Only
2.24	P&F ISI marked socket size flush type 120/280 watt rotary 5 step fan regulator including making connections testing etc. as required.	5.00	Nos	168.00	840.00	INR Eight Hundred & Forty Only
2.25	SITC of ISI mark (IS:8472) self priming monoblock pump set of approved make, TEFC permanent split capacitor type (PSC), fitted with thermal overload protection, mechanical seal 1440/1500 RPM, single phase (180 to 240 V). Including cost of hardware etc. on existing platform complete. Pump shall have following HP Rating, phase, Head, Minimum Discharge respectively. 0.25 HP 1- Ø(6-18)Mtr. (27-12)LPM Kirloskar, Texmo, Crompton, Taro, Lubi, Ujala.	1.00	Nos.	2744.00	2744.00	INR Two Thousand Seven Hundred & Forty Four Only
2.26	P&F double ball bearing capacitor start, aluminium body & blade ceiling fan with down rod upto 30cm with 3x15sq.mm. pvc insulated flexible copper conductor making connection testing etc. as required 1200mm sweep Group-II	2.00	Nos	1611.60	3223.20	INR Three Thousand Two Hundred & Twenty Three and Paise Twenty Only
3	Construction of Water Harvesting Sstructure					

3.01	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils	280.00	Sqm	155.00	43400.00	INR Forty Three Thousand Four Hundred Only
3.02	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size).	70.00	Cum	2558.75	179112.50	INR One Lakh Seventy Nine Thousand One Hundred & Twelve and Paise Fifty Only
3.03	Brick masonry with F.P.S. bricks of class designation 75 in foundation and plinth with bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	130.00	Cum	3617.00	470210.00	INR Four Lakh Seventy Thousand Two Hundred & Ten Only

3.04	Providing and laying cement concrete including curing, compaction etc. complete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, levelling course etc up to floor five level excluding the cost of centering and shuttering.M20 grade Nominal Mix 1: 1.5: 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	62.00	Cum	4955.00	307210.00	INR Three Lakh Seven Thousand Two Hundred & Ten Only
3.05	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish :25 mm thick.	240.00	Sqm	168.00	40320.00	INR Forty Thousand Three Hundred & Twenty Only
3.06	Red sandstone slab 40mm thick (un-dressed)	60.00	Sqm	600.00	36000.00	INR Thirty Six Thousand Only
3.07	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. 1: 3: 6 or richer mix.	50.00	Cum	552.00	27600.00	INR Twenty Seven Thousand Six Hundred Only
3.08	Carriage of earth sand etc. Upto 5 KM lead	280.00	Cum	63.80	17864.00	INR Seventeen Thousand Eight Hundred & Sixty Four Only
3.09	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level. Hot rolled deformed bars (IS : 1139).	500.00	Kg.	74.00	37000.00	INR Thirty Seven Thousand Only

3.1	Providing and laying in position specified grade of cement concrete for all RCC structural elements upto plinth level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement. M20 grade Nominal Mix / Design Mix	10.00	Cum	4112.00	41120.00	INR Forty One Thousand One Hundred & Twenty Only
3.11	Construction of Tube-well upto 100 Meter depth and above in all type of rocks by DTH system and over burden, to accommodate casing pipe of following sizes in all types of soils and over burden including lowering of casing pipes, but excluding cost of casing pipes as per IS:2800 (Part I & II) 1979 specifications. The work would be completed after obtaining sand free water. The tube well should have a throughout bore as per nominal dia of casing pipe :200 mm dia Nominal bore.	140.00	RM	908.00	127120.00	INR One Lakh Twenty Seven Thousand One Hundred & Twenty Only
3.12	Supply of ERW M.S. black casting pipe ISI marked (IS:4270/1992) of grade Fe 410 of following sizes at site of work. 200 mm nominal bore	100.00	RM	1571.00	157100.00	INR One Lakh Fifty Seven Thousand One Hundred Only
3.13	Supply of strainer pipes made of ERW M.S. black pipe ISI mark of following sizes at the site of work including required size of slotting as per IS:8110-1985. 200 mm Nominal Bore.	40.00	RM	1846.00	73840.00	INR Seventy Three Thousand Eight Hundred & Forty Only

3.14	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting (height upto 10 m), fixing in position and applying a priming coat of approved steel primer all complete.	600.00	Kg.	71.00	42600.00	INR Forty Two Thousand Six Hundred Only
3.15	Stone aggregate (single size) 63mm	22.00	Cum	700.00	15400.00	INR Fifteen Thousand Four Hundred Only
3.16	Stone aggregate (single size) 20mm	22.00	Cum	900.00	19800.00	INR Nineteen Thousand Eight Hundred Only
4	Renovation of Toilets					
4.01	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50meter lead.	70.00	Sqm	11.00	770.00	INR Seven Hundred & Seventy Only
4.02	Demolishing cement concrete manually'by mechanical means including disposal of material within 50 meters lead: 1:4:8 or linear mix.	2.00	Cum	240.00	480.00	INR Four Hundred & Eighty Only
4.03	Labour charges for removing W.C. pan (any type) of all sizes with care including all necessary fittings P or S trap.	3.00	NOS.	165.00	495.00	INR Four Hundred & Ninety Five Only
4.04	Labour charges for removing and refixing of urinals (all type & sizes) including all necessary fittings.	1.00	NOS.	413.00	413.00	INR Four Hundred & Thirteen Only
4.05	Dismantling GI pipes (external work) including excavation and refilling trenches after taking out the pipes and including stacking of pipes within 50 meter lead:15mm to 40mm nominal bore.	40.00	RM	15.80	632.00	INR Six Hundred & Thirty Two Only

4.06	Providing and fixing Polyethylene - Aluminium - Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS 15450 U.V. stabilised with carbon black having thermal stability for hot and cold water supply capable to withstand temperature upto 80oC including all special fittings of composite material (engineering plastic blenddand brass inserts wherever required) e.g. elbows, tees, reducers, couplers connectors etc.) with clamps at 1.00 mtr. spacing. This includes testing of joints complete : Exposed on walls 1216 (16mm. OD) pipe.	50.00	RM	150.00	7500.00	INR Seven Thousand Five Hundred Only
4.07	Providing and fixing Polyethylene - Aluminium - Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS 15450 U.V. stabilised with carbon black having thermal stability for hot and cold water supply capable to withstand temperature upto 80oC including all special fittings of composite material (engineering plastic blenddand brass inserts wherever required) e.g. elbows, tees, reducers, couplers connectors etc.) with clamps at 1.00 mtr. spacing. This includes testing of joints complete : Exposed on walls 2025 (25mm. OD) pipe.	25.00	RM	244.00	6100.00	INR Six Thousand One Hundred Only

4.08	Providing and fixing 1st quality standard white/ivory glazed tiles ISI marked (IS : 13753) of size 300mm x 600mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (excluding the cost of cement plaster on walls and pillar).Category-I : Kajaria, Johnson, Somani make etc. with plaster C:M 1:4 and tiles for light shade colour	50.00	Sqm	897.25	44862.50	INR Forty Four Thousand Eight Hundred & Sixty Two and Paise Fifty Only
4.09	Providing and fixing 1st quality MAT finished ceramic tile size 400x400mm confirming to IS : 13755 and IS : 15622 colour such as white, grey, ivory, fume red brown, light green, light blue and other light shades in floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (including the cost of cement mortar bed 1:4). with light shade colour.	25.00	Sqm	950.00	23750.00	INR Twenty Three Thousand Seven Hundred & Fifty Only
4.1	Construction of chamber in all type of soil with 300 mm thick masonry in CM 1:6 m 100mm thick C.C. 1:5:10 in foundation, 20mm thick insider plaster in CM 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring , earthwork etc. complete as per design including disposal of surplus earth within a lead of 50 mtr.Inside size 450 X 450 mm and depth upto 0.5 M & 15 Kg. CI cover with frame.	1.00	NOS.	1204.00	1204.00	INR One Thousand Two Hundred & Four Only

4.11	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make 75 mm dia	15.00	RM	132.00	1980.00	INR One Thousand Nine Hundred & Eighty Only
4.12	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make 110 mm dia	10.00	RM	264.00	2640.00	INR Two Thousand Six Hundred & Forty Only
4.13	P & F Indian type white glazed vitreous china 1st quality W.C. orissa pan (IS :2556 Mark) with 100 mm vitreous china P or S trap including cutting and making good the wall and floor: Size 580x440mm.	3.00	NOS.	1350.00	4050.00	INR Four Thousand & Fifty Only
4.14	P & F Low level Flushing Cistern of 10 litres capacity (IS : 2556mark). Of approved make with complete fittings C.I. brackets duly painted, brass ball cock with ball, (IS: 1703 mark) complete including cutting and making good the wall: PVC with PVC bend as per IS : 7231 .	3.00	NOS.	1150.00	3450.00	INR Three Thousand Four Hundred & Fifty Only
4.15	P & F WVC wash basin (1st quality, I.S. : 2556 Mark) of approved make with C.I. brackets duly painted, 1 No. 15 mm C.P. Pillar cock (IS : 8934 Mark) & 32 mm C.P. brass waste coupling of approved make,25 mm G.I. waste pipe complete including cutting & making good the wall.: Size 450 mm x 300 mm	3.00	NOS.	1364.00	4092.00	INR Four Thousand & Ninety Two Only
4.16	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make:C.P. brass bib cock, 15mm nominal bore.	6.00	NOS.	411.00	2466.00	INR Two Thousand Four Hundred & Sixty Six Only

4.17	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make:C.P. Brass Long body, 15mm nominal bore weight not less than 690 gm	4.00	NOS.	466.00	1864.00	INR One Thousand Eight Hundred & Sixty Four Only
4.18	P & F Stop Cock (IS :8931 Mark), superior quality & of approved make:C.P. Brass 15mm nominal bore.	3.00	NOS.	498.00	1494.00	INR One Thousand Four Hundred & Ninety Four Only
4.19	P & F PVC Storage Tank ISI Marked (IS : 12701) indicating the BIS license No), of approved make with cover, 25mm dia 1M long G.I. over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc., complete of approved design: 500 litres capacity.	2.00	NOS.	3100.00	6200.00	INR Six Thousand Two Hundred Only
4.2	Providing and Fixing rigid PVC pipe (IS:4985 mark) class II (4 Kg./cm ²) approved quality/ make including jointing the pipe with solvent cement rubber ring and lubricant 75 mm. dia.	30.00	RM	111.00	3330.00	INR Three Thousand Three Hundred & Thirty Only
4.21	Construction of manhole in all type of soil inner size 90 X 60 Cm. 350 mm thick masonry in CM 1:6, 10 Cm. thick cement concrete 1:5 10 in foundation, 20 mm thick inside plaster in CM 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring, making channels, 80mm thick stone slab covering with 40mm thick M-15 grade C.C. flooring, Cement cover with frame of 450mm dia, earthwork etc. complete as per design including disposal of surplus earth within 50 mtr. lead. Depth up to 0.5 M	1.00	NOS.	3155.00	3155.00	INR Three Thousand One Hundred & Fifty Five Only

4.22	Construction of chamber in all type of soil with 300 mm thick masonry in CM 1:6 m 100mm thick C.C. 1:5:10 in foundation, 20mm thick insider plaster in CM 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring , earthwork etc. complete as per design including disposal of surplus earth within a lead of 50 mtr.Inside size 300 X 300 mm and depth upto 0.5 M & 5 Kg. CI cover with frame.	2.00	NOS.	811.00	1622.00	INR One Thousand Six Hundred & Twenty Two Only
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4.23	<p>Providing and fixing to existing door frames 24mm thick factory made PVC door shutters made of stiles and rails of a PVC hollow section of size 59x24 mm and wall thickness 2mm +/- 0.2 mm with inbuilt edging on both sides.The stiles and rails mitred and joined at the corners by means of M.S.galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm+/- 0.1mm and stainless steel screws. The stiles of the shutter reinforced by inserting galvanized M.S.tube of size 20x20mm and 1mm +/-0.1mm wall thickness. The lock rail made up of 'H' section,a uPVC hollow section of size 100x24mm and 2mm +/- 0.2mm wall thickness fixed to the shutter stiles by means of plastic/ galvanized M.S.'U' cleats.The shutter frame fitted with a uPVC multi-shambered single panel of size not less than 610mm, having overall thickness of 20mm and 1mm +/- 0.1mm wall thickness. The panels fitted vertically and tie bar at two places by inserting horizontally 6mm galvanized M.S.rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge (For W.C.and bathroom door shutter).</p>	10.00	Sqm	1679.00	16790.00	INR Sixteen Thousand Seven Hundred & Ninety Only
4.24	<p>Structural steel work in single section fixed with or without connecting plate including cutting, hoisting (height upto 10 m), fixing in position and applying a priming coat of approved steel primer all complete.</p>	100.00	Kg.	61.00	6100.00	INR Six Thousand One Hundred Only

4.25	Providing and fixing angle iron frame of 25x25x3 mm for ventilators with fixed wire gauge 16 mesh x24 gauge including 10 mm square bars at interval of 100 mm welded, screwed to frame with metal beading 20x3mm complete in all respects as per design.	5.00	Sqm	1380.00	6900.00	INR Six Thousand Nine Hundred Only
4.26	1.0mm thick salem stainless steel AISI -304 kitchen sink of approved make (Nirali, Neel-Kanth, Jaina, Faber, Cryistal) with large waste coupling. (IS : 13983-1994 Marked) Size 24x18x8	1.00	NOS.	4130.00	4130.00	INR Four Thousand One Hundred & Thirty Only
4.27	Providing and fixing Granite stone slab mirror polished and machine edge cut in walls, pillars, steps, Shelves, Sills Counters, Floors etc. laid on 12mm (Av.) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) jointing with white cement mortar 1:2 (1white cement : 2 marble dust) with pigment to match the shade of the marble slab including grinding, rubbing and polishing of Green/Black/other granite 1501 cm ² to 3600 cm ² tiles	3.00	Sqm	2547.00	7641.00	INR Seven Thousand Six Hundred & Forty One Only
4.28	Renewing glass panes, with putty and nails wherever necessary: 4mm thick plain glass panes.	10.00	SQM	479.00	4790.00	INR Four Thousand Seven Hundred & Ninety Only
Total in Figures					3368220.20	INR Thirty Three Lakh Sixty Eight Thousand Two Hundred & Twenty and Paice Twenty Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words			INR Zero Only			

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Item Rate BoQ

Tender Inviting Authority: Managing Director, RSWC

Name of Work: Repair work, Conversion of Roof sheets, Water Harvesting and Electrification work at State Warehouse, Jhlapatan

Contract No: RSWC/Eng./Tender/02/2018-2019

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
1	2	3	4	5	6	7

1	<p>Supply and laying polyester coated steel sheets roofing of trapezoidal profile having 31+/- crest height & pitch not to exceed 195 mm centre to centre width made from 0.55 mm thick cold rolled low carbon steel-“O” grade, half hard conforming to IS-513 and a minimum yield stress of 240 Mpa and the sheets shall be hot dipped galvanized with zinc coating of grade 120 conforming to IS-277 silicon / regular modified polyester coating as specified in the technical specification conforming to IS-14246 and shall be laid over tubular trusses and purlins. The cost includes providing fixing of self drilling and self tapping fastners (head of the fastener shall be protected with PVC caps matching colours) with EPDM washers, thrust washers, flat washers stitch, screws, caps etc. complete as required total coated thickness of the sheets shall be 0.60 mm and testing shall be done as per relevant IS/BIS codes, The colour shall be decided by the Engineer-in-charge. (For godown roofing, platform and ridges having profile similar to polyester coated steel sheets)</p>	8750.00	SQM		0.00	INR Zero Only
2	<p>Supplying and Fixing of turbo ventilators on the top of godown roof with high performance industrial turbo ventilators of minimum 600 mm dia neck of aluminum alloy, designed to wind speed of 50m/sec and inclusive of base plate & all necessary accessories, specification of multi roof ventilator got approved from</p>	56.00	NOS.		0.00	INR Zero Only

Total in Figures	0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only	