

# **JALORE NAGRIK SAHAKARI BANK LTD. JALORE**

**Head Office: near Haridev Joshi Circle, Jalore – 343001  
(Raj)**



## **FINANCIAL BID ASSESSMENT DOCUMENT**

**Construction of Building of Branch and Head  
Office of  
Jalore Nagrik Sahakari Bank Ltd. Jalore**

**JALORE NAGRIK SAHAKARI  
BANK LTD. JALORE**





# JALORE NAGRIK SAHAKARI BANK LTD JALORE

## NOTICE INVITING TENDERS FOR WORKS

1. Tenders are hereby invited for the works of **Construction of Building of Branch and Head Office of Jalore Nagrik Sahakari Bank Ltd Jalore (with five year defect liabilities period)**

इस कार्यालय द्वारा उपरोक्त वर्णित कार्य के लिए पीडब्ल्यूडी एण्ड ए.आर पार्ट ।। अपेण्डिक्स 16 दिनांक 1.07.1999 से लागू एवं समय समय पर पंजीयन नियमों सम्बन्धी वित्त विभाग द्वारा जारी आदि दिनांक संशोधित परिपत्रों के अनुरूप उपयुक्त श्रेणी में पंजीकृत ठेकेदारों से मोहरबन्द निविदाये आमंत्रित की जाती है।

i) Contractor equivalent to  
'AA' Class of Rajasthan

Work of which cost exceeds  
Rs. 3.00 Crores

1. Contract documents consisting of the detailed plans, completed specification the schedule of the quantities of the various classes of work to be done and the set of conditions of contract to be complied with be the persons whose tender may be accepted which will also be found printed in the form of tenders, can be found at the office of **Jalore Nagrik Sahakari Bank Ltd Jalore Head Office near Haridev Joshi circle Jalore** every day except on Sunday and Public Holidays during office hours.
2. **Financial Bid Rates to be filled and submit by the bidder in the attached BOQ in given format.**
3. The work is to be completely finished to the satisfaction of Engineer-in-charge within **12 Month (Including rainy season)** from the 10<sup>th</sup> day after date of written order to commence the work.
4. Earnest money as per NIT must accompany each tender and each tender is to be submitted in a sealed cover prescribed Tender for **Construction of Building of Branch and Head Office of Jalore Nagrik Sahakari Bank Ltd Jalore (with five year defect liabilities period)** and addressed to **CEO Jalore Nagrik Sahakari Bank Ltd Jalore** and Earnest money and tender Fee as per rule favour of **Jalore Nagrik Sahakari Bank Ltd Jalore** should be deposited through draft attached with the tender.
5. The Security deposit/ Performance Deposit @ 10% of the work order have to furnish by the successful bidder and it shall be refunded as per rules on completion of the contract as per terms and condition. There will be no maximum limit of security deposit:-

(निविदा स्वीकृत होने पर सुरक्षा जमा राशि/प्रतिभूति राशि निविदा अनुसार आदेश की





लागत का 10 प्रतिशत देय होगी। इसमें से 5 प्रतिशत राशि की एफ.डी.आर जालोर नागरिक सहकारी बैंक लि., जालोर के पक्ष में जमा करवानी होगी, शेष 5 प्रतिशत सुरक्षा राशि कार्य सम्पादन के दौरान चालू बिलों (Running Bill) से समायोजित की जा सकेगी। संवेदक के पास पूर्व में जमा 2 प्रतिशत धरोहर राशि को भी इसमें समायोजित करने का विकल्प मौजूद रहेगा।)

6. The acceptance of a tender will rest with the competent Authority of Bank who doesnot bind itself to accept the lowest tender and reserves to itself the authority to reject any or all of the tenders received, without assigning any reasons.
7. No refund of tender fee is climbable for tenders not accepted or forms returned or for tenders not submitted.
8. The tenders for work shall remain open for acceptance for the period as given in RTPP Rules 2013 of Rajasthan Government.

If any bidder withdraws his tender prior to expiry of said validity period or mutually extended period or makes modification in the rates terms and conditions of the tender within the said period, which are not work in the specified period/ fails to execute the agreement and fails to furnish performance guarantee the Jalore Nagrik Sahakari Bank Ltd. Jalore shall, without prejudice to any other right or remedy, be at liberty to forfeit the amount of earnest money given in any form absolutely If any contractor who having submitted a tender does not execute the agreement or start the work or does not complete the work and the work has to be put to re-tendering, Earnest Money/Security Deposit/ Performance Guarantee and shall be treated as per terms and conditions of the agreement.

9. All tender in which any of the prescribed conditions are not fulfilled or which have been vitiated by errors in calculation totaling or other discrepancies or which contain overwriting in figures or words or correction not initialed and dated will be liable to rejections.



मुख्य कार्यालय अधिकारी

Jalore Nagrik Sahakari Bank Ltd. Jalore  
जालोर नागरिक सहकारी बैंक लि.  
जालोर



**Name of work: Construction of Building of Branch and Head Office  
of Jalore Nagrik Sahakari Bank Ltd. Jalore**

**Name of work: OFFICE BUILDING FOR JALORE NAGARIK SAHKARI BANK LTD. AT JALORE  
G-SCHEDULE Part-1 :Civil work (BSR Items)**

PWD Building BSR 2022

Sr. No.	Item Ref. No.	Chapter no./Reff.	Description of items	Quantity	Unit	Rate Figures	Amount (Rs.)
1	1.8	Chapter B 1	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	981.00	Cum	178.00	174618.00
2	1.26	ChapterB 1	Add extra for foundation/trenches/drains for every additional lift of 1.5 Mtr. or part thereof in				
	1.26.1		All kinds of soil	531.00	Cum	34.00	18054.00
3	1.25	ChapterB 1	Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20 cm. in depth, consolidating each deposited layer by ramming and watering including lead up to 50 meter and with all lift.	773.00	Cum	64.00	49472.00
4	1.6	ChapterB 1	Supply & Stacking good earth at site complete including loading unloading & transporation etc.	530.00	Cum	175.00	92750.00
5	4.1	ChapterG-4-1	Carriage of Earth, Sand, Lime, Morrum manure or sludgeFor 10 Km.	530.00	Cum	124.00	65720.00
6	1.27a	ChapterB 1	Supplying and Filling in plinth with river sand under floors including watering ramming consolidating and dressing complete including cost of sand	69.00	Cum	1024.00	70656.00
7			Providing & filling in sunk portion with Cinder for all lead & lifts etc. complete.	50.00	Cum	760.00	38000.00
8	3.1	ChapterB 3	Providing and laying in position cement concrete including curing, compaction etc. complete in				



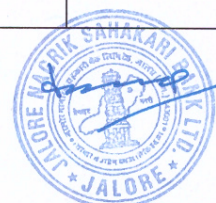


			specified grade excluding the cost of centering and shuttering - All work up to plinth level.				
	3.1.4		M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	36.00	Cum	3847.00	138492.00
	3.1.6		1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	120.00	Cum	3302.00	396240.00
9	4.1	CHAPTER B-4	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.				
	4.1		M20 grade Nominal Mix / Design Mix Footing, Plinth Beam, Column up to Plinth	193.00	Cum	4934.00	952262.00
10	4.2	CHAPTER B-4	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five 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 for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. M20 grade Nominal Mix / Design Mix				
	4.2		Column for G.F. & F.F. & WALLS	138.00	Cum	5609.00	774042.00
11	4.3	CHAPTER B-4	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five 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 for Beams, suspended floors, roofs, girders having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix				
	4.3		SLAB for Ground Floor. BEAM for Ground Floor. CHHAJJAS, Lintel for Ground Floor, STAIR CASE, Coping.	348.50	Cum	5185.00	1806972.50
12	4.6.1	CHAPTER B-4	Providing M-25 grade concrete by using min 410 kg of cement per cum instead of M-20 grade design mix.	658.00	Cum	69.00	45402.00
13		CHAPTER B-3	Providing M-25 grade concrete by using min 410 kg of cement per cum instead of M-20 grade design mix.				
	3.2.2		M15 grade Nominal Mix 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	60.00	Cum	5112.00	306720.00
14	4.9	CHAPTER B-4	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.				
			P.C.C., Footing	698.00	SQM	157.00	109586.00
15	4.1	CHAPTER B-4	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for:				
	4.10.3		Columns, pillars, posts and struts etc.	510.00	SQM	375.00	191250.00
16	4.10.2	CHAPTER B-4	Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.				
			Slab, Beam and Plinth Beam	2403.00	SQM	340.00	817020.00
17	4.10.7	CHAPTER B-4	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards.				
			retaining walls	417.00	SQM	494.00	205998.00
18	4.13	CHAPTER B-4	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. ('Original producers' who manufacture billet directly from iron				





			ores and roll the billets to produce steel conforming to IS:1786)				
	4.13.3		Thermo-mechanically Treated bars (Conforming of relevent IS code)	130700.00	Kgs.	77.00	10063900.00
19		ChapterB 5	Brick work with clay flyash F.P.S. brick (IS 13757- 1993 ) of class designation 75 in foundation and plinth in Cement Sand mortar above 30 CM thick wall in:				
	5.1.2		Cement Mortar 1:6 ( 1-Cement : 6-Sand).	75.00	Cum	4263.00	319725.00
20	5.15	ChapterB 5	Brick work with clay flyash F.P.S. brick (IS 13757- 1993 ) of class designation 75 in superstructure above plinth level upto floor five level in :				
	5.15.2		Cement mortar 1 : 6 (1 cement : 6 coarse sand)	162.00	Cum	4832.00	782784.00
21	5.2	ChapterB 5	Half Brick work with mechanised autoclaved flyash lime bricks conforming to IS: 12894 :2002 of class designation 75 in superstructure above plinth level upto floor V level in.				
	5.20.1		Cement mortar 1 : 4 (1 cement : 4 coarse sand)	847.00	Sq. Mt.	564.00	477708.00
22	5.9	ChapterB 5	Add extra providing and placing in position 2 Nos. ,6mm Ø M.S. bar at every third course of half brick masonry .	847.00	Sq. Mt.	64.00	54208.00
23	12.3	ChapterB 12	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finish :				
	12.3.2		20mm thick .	8732.00	Sq. Mt.	190.00	1659080.00
24	12.5	ChapterB 12	6 mm thick cement plaster to ceiling of mix 1:3 (1cement : 3-fine sand)	1160.00	Sq. Mt.	139.00	161240.00
25	12.19	ChapterB 12	Making grooves as per design in plaster 10mm to 20mm wide.	2200.00	RMT	7.00	15400.00
26	12.23	ChapterB 12	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	6200.00	Sq. Mt.	69.00	427800.00
27	12.64	ChapterB 12	Providing and applying superior quality wall painting with Velvet touch emulsion paint of approved brand and manufacture to give an even shade with putty and preparation of surface applying with the help of paint roller the work complete in all respect as per				





			direction of Engineer-in-charge.				
	12.64.1		New Work Three or More coat	6200.00	Sq. Mt.	246.00	1525200.00
28	12.44	ChapterB 12	Finishing walls with textured exterior paint of required shade as per approved colour complete as per manufacturers specifications including primer coat and protecting coat including scaffolding and safety provision				
	12.44.3		Trowel Finish av. thickness 1500 to 2000 microns.	3400.00	Sq. Mt.	404.00	1373600.00
29	10.22	ChapterB 10	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :	96.00	R. Mt.	111.00	10656.00
30	9.8	ChapterB 9	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	5400.00	Kg.	96.00	518400.00
31	12.2	ChapterB 12	Making of drip course (Tapka) in cement sand mortar 1:6 width upto 40 mm and 10 mm thick as per approved design	413.00	R. Mt.	11.00	4543.00
32	10.35	ChapterB 10	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as	350.00	kg	457.00	159950.00
33	7.5	ChapterB 7	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 complete.				
	7.5		Jhunjhunu / Jalore (Red/Chocolate/Black/Pink Colour)				
	7.5.3		Above 3601 Cm2 Slabs	395.00	Sq. Mt.	4076.00	1610020.00
34	7.13	ChapterB 7	Providing and fixing 1st quality MAT finished ceramic tile size 300x300mm 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).	37.00	Sq. Mt.	748.00	27676.00
35	7.25	ChapterB 7	Providing and fixing 1st quality standard Marble printed/ Granite Shade or Light/dark shad glazed tiles confirming to IS : 13753 & IS :15622 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).	231.00	Sq. Mt.	1003.00	231693.00
36	7.27	ChapterB 7	P & F 1st quality Heavy Duty Vitrified Double Charged tiles on floor, skirting and steps etc.in different sizes (thickness minimum 10mm) with water absorption less than or equal 0.08% and conforming to IS 15622 of approved make in all colour and shade, laid with 20 mm thick CM 1: 4 including grouting the joints with white cement and matching pigmentetc complete.				
	7.27.2		size 800 mm X 800mm	810.00	Sq. Mt.	1296.00	1049760.00
37	6.8	ChapterB 6	Stone work (machine cut edges) for Wall cladding/ Veneering work up to 10m height with 20 to 30 mm thick Red Sand Stone (Karauli ) and backing filled with a grout of 12mm				





			thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :(To be secured to the backing by means of cramps which shall be paid separately)				
	6.8.2		Exposed face machine cut	120.00	Sq. Mt.	2500.00	300000.00
38	6.17	ChapterB 6	Supplying and fixing in walls machine cut and polished stone shelves, tands and in CM 1:3 with machine cut edges:				
	6.17.3		Kota stone minimum 30mm thick.	5.00	SMT	609.00	3045.00
39		ChapterB 11	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.				
	11.3.2		75mm thick with 20mm thick nominal size aggregate.	332.00	Sq. Mt.	458.00	152056.00
40	15.4	ChapterB 15	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying : a) after surface preparation, first layer of slurry of cement@ 0.488 kg/sqm mixed with water proffing cement compound @ 0.253 kg/sqm. b) laying second layer of Fiber glass cloth when the firstlayer is still green . Overlaps of joints of fiber cloth should not be less than 10 cm . c)Third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqmmixed with water proffing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around d) fourth and final layer of brick	600.00	Sq. Mt.	372.00	223200.00





			tiling 'with cement mortar or any other approved protective coarse. (which will be paid for separately) For the purpose of measurement the				
41	15.3	ChapterB 15	<p>Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :</p> <p>a) first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours.</p> <p>b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm This layer will be allowed to air cure for 4 hours followed by water curing for 48 hours.</p> <p>The rates includes preparation of surface treatment &amp; sealing of all joints ,corners, junction with polymer mixed</p>	482.00	Sq. Mt.	275.00	132550.00
42	1.36	ChapterB 1	<p>Diluting and injection Chloropyrifos Emulsifiable concentrate 20% with 1% concentration for PRECONSTRUCTIONAL Anti termite treatment as per IS 6313 part III as amended from time to time and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth filling, junction of wall and floor along the external perimeter of building expansion joints, over the top surface of consolidated earth of which aproch is to be laid surrounding of pipes and conduits etc. complete as per specification (Plinth floor area only shall be measured for</p>	564.00	Sq. Mt.	47.00	26508.00
43	1.34	ChapterB 1	<p>Supplying chemical emulsion in sealed containers including delivery as specified.</p> <p>Chlorpyriphos/Lindane emulsifiable concentrate of 20%</p>	167.00	ltr	243.00	40581.00





44	8.27	ChapterB 8	Providing and fixing IS : 3564 marked aluminium extruded section body tubular type universal hydraulic door closer with double speed adjustment with necessary accessories and screws etc. complete.	25.00	No.	1478.00	36950.00
45	9.13	ChapterB 9	Supplying and fixing rolling shutters of approved make, made of 80 x 1.25mm. M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including cost of spring hooks, providing and fixing necessary 25.3cm. long wire springs grade No. 2 and M.S. top cover 1.25mm thick for rolling shutters as per design & IS 6248- 1979. (Clear openable area to be measured for payment)	43.50	Sq. Mt.	2074.00	90219.00
	9.15.2	ChapterB 9	Supplying and fixing rolling shutters Exceeding 16.80 Sqm in the area.	42.00	Sq. Mt.	837.00	35154.00
	2.1	Chapter- S2	P & F G.I. pipes (Internal Work) with G.I. Fittings excluding union (IS:1239 Mark) & MS clamps including cutting and making good the walls and floors: 'B' Class				
46	2.1.6		50mm dia nominal bore	50.00	R. Mt.	673.00	33650.00
47	2.1.5		40mm dia nominal bore	127.00	R. Mt.	531.00	67437.00
48	2.1.4		32mm dia nominal bore	33.00	R. Mt.	436.00	14388.00
49	2.1.3		25mm dia nominal bore	36.00	R. Mt.	360.00	12960.00
50	2.1.1		15mm dia nominal bore	27.00	R. Mt.	230.00	6210.00
	3.44	Chapter- S3	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				
51	3.44.2		110 mm dia	122.00	R. Mt.	336.00	40992.00
52	3.44.1		75 mm dia	126.00	R. Mt.	167.00	21042.00
		Chapter- S3	P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant:				
			Vent Cowel				
53	3.17.12(i)		75mm dia	16.00	No.	43.00	688.00
54	3.17.12(ii)		110mm dia	16.00	No.	56.00	896.00
55	3.45	Chapter-	Providing and Fixing Unplasticized				





		S3	Poly Vinyl Chloride (UPVC) SWR Pipes fittings type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make				
	3.45.25		Nahni Trap with Jali 4" : 110mm dia	23.00	No.	171.00	3933.00
	1.68	Chapter-S1	Providing & Fixing Premium Quality white glazed vitreous china Sanitary Wares (IS:2556 Mark) of approved make as per direction of Engineer-in-charge including cutting and making good the wall and floor.				
56	1.68.1		W.C. orissa pan with 100 mm vitreous china P or S trap (Size 580x440 mm.)	1.00	No.	3065.00	3065.00
57	1.68.3	Chapter-S1	Wall Mounting European type W.C.	8.00	No.	9072.00	72576.00
58	1.76	Chapter-S1	Providing & Fixing chair for wall hung W.C.	8.00	No.	1604.00	12832.00
59	1.73	Chapter-S1	P & F Premium quality Low level Flushing Cistern of 10 litres capacity (IS:2556 mark) of approved make as per Engineer-in-charge with complete fittings C.I. brackets duly painted, brass ball cock with ball, (IS:1703 mark) complete including cutting and making good the wall :	9.00	No.	1823.00	16407.00
60	1.72	Chapter-S1	P & F Premiumquality water closet Seat Covers with brass hinges complete Solid PVC (ISI marked) grade-I White for EWC.	6.00	No.	714.00	4284.00
61	1.75	Chapter-S1	Supply of Hydraulic Seat Cover for Europeon WC of superior quality approved make in white Colour	2.00	No.	4057.00	8114.00
62	1.44	Chapter-S1	P & F Bevelled edge Mirror/mirror with teak wood lipping around of special glass of approved make as per direction of Engineer-in-charge complete with 6mm thick commercial ply base fixed to wooden screws & washers.				
	1.44.1		Size 600 x 450mm x 4 mm thick	11.00	EACH	575.00	6325.00
63	2.43	Chapter-S2	Providing and fixing premium quality Two way Bib cock 15mm with wall flange complete as per sample approved by Engineer in charge	13.00	No.	2335.00	30355.00
64	2.15	Chapter-S2	P & F Full-way Valve (IS:778 Mark) or wheel valve of approved make :				
	2.15.4		(-do-) 32mm nominal bore.	10.00	No.	703.00	7030.00
65	2.15.5	Chapter-S2	(-do-) 40mm nominal bore.	9.00	No.	1074.00	9666.00
66	3.5.2	Chapter-S3	P & F Square-mouth gully trap 'A' grade (IS 651-1992 :marked) of	8.00	No.	1529.00	12232.00





			approved make complete with C.I. grating, frame & Cover masonry chamber in C.M. 1:6, 100mm thick C.C. 1:5:10 base concrete, 40mm thick C.C.M-15 grade coping, 12mm thick cement plaster in CM 1:3 complete as per approved design & type. Trap size 225 X 150 mm, ferrow cement cover with frame Internal Chamber size 450 X 450mm.				
67	3.16	Chapter-S3	P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg. /Cm2.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.	130.00	R. Mt.	282.00	36660.00
	3.16.3		110 mm dia				
68	2.26	Chapter-S2	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:				
	2.26.6		2000 (-do-)	5.00	EACH	15682.00	78410.00
69	1.7	Chapter-S1	Providing & Fixing premium qulaity W.V.C. Urinal Partition plate of size 630x315 mm	9.00	EACH	2636.00	23724.00
70	1.69	Chapter-S1	Providing & Fixing premium qulaity WVC Urinal with PVC waste pipe, dome couplings, concealed iron brackets or screws etc. complete.				
	1.69.1		Flat Back (large) or half stall size 590x375x390 mm.	11.00	No.	2619.00	28809.00
71	1.29.1	Chapter-S1	P & F C.P. brass Urinal Spreader for stall urinal of approved make.	11.00	No.	363.00	3993.00
72	1.30.1	Chapter-S1	P & F C.P. brass Doom Waste Coupling 32 mm dia.	11.00	No.	152.00	1672.00
73	2.11	Chapter-S2	P & F Ball Cock (IS :1703 Mark) with Rod & P.V.C. Ball complete :				
	2.11.1		Brass wt. Not less than 300 gm,15mm.	5.00	No.	314.00	1570.00
74	1.36	Chapter-S1	P & F WVC Wash basin (1st quality IS: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, P.V.C Waste pipe with PVC nut 32 mm complete including cutting & making good the wall :				
	1.36.8		Size 550 mm x 400 mm dia for counter top	9.00	No.	2994.00	26946.00





75	1.36.9		Size 630 mm x 500 mm dia for counter top	2.00	No.	3265.00	6530.00
76	1.65	Chapter-S1	P & F C.P. Health Faucet with 1Mtr. Long Tube & Hook of approved make and heavy as per direction of Enginner-inCharge	9.00	No.	605.00	5445.00
	2.33	Chapter-S2	Providing and fixing Superior quality CP Brass fittings of approved make as per direction of Engineer-in-charge				
77	2.33.2		Swan neck pillar cock 15 mm nominal size	11.00	No.	1580.00	17380.00
78	2.33.16		Soap dish	13.00	No.	1071.00	13923.00
79	2.33.9		Concealed stop cock 15 mm nominal size	32.00	No.	1162.00	37184.00
80	2.33.14		600 mm long towel rail	4.00	No.	1801.00	7204.00
81	2.33.19		Shower arm	4.00	No.	1210.00	4840.00
82	2.33.15		Revolving type towel ring	11.00	No.	1101.00	12111.00
83	2.33.20		Paper holder	2.00	No.	1125.00	2250.00
84	3.45	Chapter-S3	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes fittings type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make				
a	3.45.1		Coupler				
	(i)		75mm dia	21.00	Each	72.00	1512.00
	(ii)		110mm dia	10.00	Each	108.00	1080.00
b	3.45.4		Bend 87.5 Dg.				
	(i)		75mm dia	21.00	Each	94.00	1974.00
	(ii)		110mm dia	10.00	Each	155.00	1550.00
c	3.45.5		Bend 45 Dg.				
	(i)		75mm dia	28.00	Each	78.00	2184.00
	(ii)		110mm dia	9.00	Each	132.00	1188.00
d	3.45.7		Single 'Y'				
	(i)		75mm dia	6.00	Each	144.00	864.00
	(ii)		110mm dia	6.00	Each	278.00	1668.00
e	3.45.12		Pipe Clip				
	(i)		75mm dia	9.00	Each	18.00	162.00
	(ii)		110mm dia	9.00	Each	31.00	279.00
f	3.45.16		Single Tee				
	(i)		75mm dia	6.00	Each	120.00	720.00
	(ii)		110mm dia	6.00	Each	210.00	1260.00
g	3.45.20		Offset				
			110mm dia	6.00	Each	282.00	1692.00
h	3.45.14		w.c. connector				
			110mm dia	10.00	Each	216.00	2160.00
i	3.45.9		double 'Y'				
	(i)		75mm dia	9.00	Each	196.00	1764.00
	(ii)		110mm dia	9.00	Each	353.00	3177.00





85	2.32	Chapter-S 2	Supply & fixing G.I. Union ISI marked in G.I. pipe line as required complete in all respect of size :				
	2.32.1		15mm dia nominal bore	32.00	Sq. Mt.	101.00	3232.00
	2.32.3		25mm dia nominal bore	32.00	Sq. Mt.	164.00	5248.00
	2.32.4		32mm dia nominal bore	32.00	Sq. Mt.	242.00	7744.00
	2.32.5		40mm dia nominal bore	48.00	Sq. Mt.	306.00	14688.00
	2.32.6		50mm dia nominal bore	64.00	Sq. Mt.	463.00	29632.00
86	9.3	Chapter-B9	Steel work in built up tubular trusses including cutting, hoisting ( height upto 10 m)fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete.				
	9.3.2		Hot finished seamless type tubes.	2500.00	Kg.	109.00	272500.00
87	9.4	Chapter-B9	Extra for hoisting and fixing for every additional one metre or part thereof beyond 10 mtr height.	530.00	Kg.	6.00	3180.00
88	12.45	Chapter-B 12	Applying priming coat :				
	12.45.3		With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works . Painting with synthetic enamel paint of approved brand and manufacture to give an even shade	206.00	Sq. Mt.	23.00	4738.00
	12.46		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	12.46.1		Two or more coats on new work	5600.00	smt	69.00	386400.00
89	8.3		Providing and fixing bright finished Mortice lock of approved make Godrej or equivalent with pair of CP handles for doors with necessary screws etc complete (Best make of approved quality) as per direction of Engineer-in-charge.				
	8.31		Extra for providing Brass handle instead of CP handle	25.00	No.	629.20	15730.00
90		Chapter-B 12	Finishing walls with textured exterior paint of required shade as per approved colour complete as per manufacturers specifications including primer coat and protecting coat including scaffolding and safety provision	310.00	smt	404.00	125240.00
	12.44.3		Trowel Finish av. thickness 1500 to 2000 microns.				





91	11.30.	Chapter-B 11	Providing and laying M30 grade controlled cement concrete pavements including mixing and vibrations concrete with necessary needle vibrators and surface with screed board vibrating complete in all respect with 20/25 mm stone aggregate (crusher broken) including anti-skid textured finish to required camber/ super elevation and grade including curing etc. as per specification with cement concrete M-30 grade including cost of Steel frame work for sides of C.C. pavement consisting of M. S. channels flats and angles with required steel pegs ( some of them may left embedded in concrete/ including providing frame work)	5.00	cmt	5514.00	27570.00
92	11.31	Chapter-B 11	Extra for vacuum processed concrete including cost of equipmentslabour etc.	27.00	smt	101.00	2727.00
93	11.32	Chapter-B 11	Cutting of construction joint/ longitudinal joint 4 to 6 mm. wide using mechanical concrete cutter including cost of diamond bit cutting wheel and filling of bitumen sealing compound in groove including cost of sealing compound.				
	11.32.2		50 mm deoth	12.00	RMT	94.00	1128.00
94	12.2	Chapter-B 12	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish				
	12.2.2		20 mm thk	50.00	smt	202.00	10100.00
95	12.43	Chapter-B 12	Painting exterior surface of Wall with 100% acrylic exterior paint of approved brand and manufacture to give an even shade with two or more coats including prepartion of base with sand papering, primer, putty, etc complete in all respect including scaffolding and safety provision	50.00	smt	123.00	6150.00
	12.43.1		New Work				
96	11.38	Chapter-B 11	Providing and laying of paver block as per IS 15658 : 2006 (Indian standard for precast concrete block for pavingspecification) and IRC : SP:63-2004 (guidelines for the use of interlocking concrete block pavement)				





	11.38.1		M-30, 60 mm thick to be used in non traffic areas like building premises, monument premises, land scapes, public gardens/ park, domestic drives, paths and patios, Embankment slopes, sand stabilization Area etc.( As per table 1 of IS 15658:2006				
	(a)		Category A Denated units to key into each other on four faces zigzag shape as per IRC SP 63:2004	577.00	smt	816.00	470832.00
97	17.21	Chapter-B 17	Kerb Stones of 1200x300x150, 1000x450x150, 1000x600x150, 600x300x150 size (M-30)				
			Providing and Laying cement concrete Kerb Stones of different sizes in M-30 grade (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of mutiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) in position to the required line, level and curvature jointed with cement mortar 1:3 (1 Cement : 3 Coarse sand) including making of joints, drainage opening wherever	2.00	cmt	9429.00	18858.00
98	1.3.1	Chapter-H 1	Supply & Stacking good soil of earth at site complete including loading unloading & Transportation etc. Good soil of earth	53.00	cmt	240.00	12720.00
99	1.1.1	Chapter-H 1	Supply of dry manure including loading unloading, transportation & stacking at site.Farm yard manure(organic)	8.00	cmt	720.00	5760.00
100	1.3.1	Chapter-	Laying of lawns including ploughing	78.00	smt	240.00	18720.00





	H 1	leveling breaking of clods manuring and removal of stones etc. (cost of manure or extra good earth to be paid separately )maintenance of lawn foe 30 days or more till the grass forms a thick lawns free from weeds and fit for moving in the duration of planting if lawn die some where the contractor will replant it at his own cost. - In rows 15 cm				
						<b>Total = 29926724.50</b>

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**Name of work: Construction of Building of Branch and Head Office  
of Jalore Nagrik Sahakari Bank Ltd. Jalore**

**G-SCHEDULE Part-1 :Civil work (Non-BSR Items)**

Sr. No.	Item Ref. No.	Chapter no./Reff.	Description of items	Quantity	Unit	Rate Figures	Amount (Rs.)
1	RA		Providing and fixing color anodized Alluminium fixed louvers made of 1"x4"alluminium section of 2mm thk (banco/jindal make) fixed at 0.14 mt c/c with alluminium cleats to m.s. angular frame of 35mmx35mm duly anodized and fixed with rcc/brick wall with fastners as per architectural drawings. all the screws and other visible fixtures are also to be anodized as per specifications.	120.00	Sq. Mt.	2334.20	280104.00
2	RA		P&F chicken wire mesh of guage 0.30m wide with necessary screws and nails at joints or crackes of brick work or RCC work,	460.00	Sq. Mt.	67.93	31247.80
3	RA		Providing & Fixing FRP frame size 100x50mm and 28mm thick FRPshutter having extra reinforcement on side and edge ingood coat finishing.the core of the shutter and frame is to be filled up with injected fire retardent grade polythelene foam done in situ.along with emdedded wooden pieces for stiffing and also taking stainless steel hinges & fixtures The whole FRP frame & shutter is to be water proof ,whether proof ,termite proof and resistant to mild acid alkli,rate are to be inclusive of s.s. hinges ,fixture &fasteming.products should have 3 yersperformncegaurntee and company have ISO 9001-2000 certificates with wood grains and embosing panel.	2.00	Sq. Mt.	4220.00	8440.00
4	RA		FULLY GLASS ALLU. DOOR. Providing & fixing mat/glossy finished colored, 15 micron anodised aluminum section made from aluminum glazed door of frame section 20048 x (63.50 x 38.10 x 2.0=1.30 kg/mt), shutter hinge side section and vertical style sections (85x 44.45 x 1.80 = 1.30 kg/mt) Weight with 8 mm thick	13.00	Sq. Mt.	3800.00	49400.00





			toughen reflective glass (saint gobain / modi ) make quality with glazing Patti, rubber packing including brass pivot hinges,floor spring, handles with locking arrangement etc. complete with mat / glossy finished colored anodised fixtures and fastenings, vertical and horizontal hollow frame section totally filled with non-teak wooden baten. etc complete as per directed by EIC and architect drawings.				
5	RA		Providing and Fixing of 32mm solid cored Flush Door with 16 mm teakwood lapping tongued into door edges all round two side, both side 1mm thk. laminates of approved brand. Wooden Frame of 125mm x 75mm size in Ghana Teakwood including locks, Stopper, Floor spring/ Hinges, door closer and all Hardware materials of SS or of approved brand and make, all labour and Materials which will require for complete on site as per details and drawing or as per instruction of site In charge. Rate to include for painting all timber faces in contact with wall surfaces with applying two coats of approved wood preservative and anti-insecticide paint before fixing in position and one under coat and two coats of enamel paint of approved make to exposed faces. Door Frame having 25 years warrenty against bioplogical Agent like termite, Borers, Decay , Fungi and harmful Insects also Warrenty Against Seasoning Related issues like Crack, ,Bedding , twisting, Warping , and joint Related issues like	45.50	Sq. Mt.	7116.51	323801.21
6	RA		Providing and fixing Alluminium section window having extruded Aluminum Colour anodized section frame main horizontal FOUR track member size 122.20mm x 31.75mm x 1.10mm (of Jindal Section no:8787,@ Wt.1.205 Kg/mt), vertical member of size 122mm x 31.75mm x 1.50mm (of Jindal Section no:8935,@ Wt. 1.398	65.00	Sq. Mt.	6243.00	405795.00





			Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8949@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt Section 8948@ wt. 0.457kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window including Two Nos mosquitojali shutter of size 40mmx18mmx1.29mm With Locking Arrangement				
7	RA		GRC SHEET Panalling Providing and Fixing Glass Reinforced Concrete panels in approved size, colour, pattern and thickness of Unistone or equivalent make with compressive strength of min M-40 grade made of 53 grade white cement and rasins as specified. Rate includes finstallation as 'dry-fixing' with ss304 studs, fixtures, fastners with brick, block, concrete or ms support. scaffolding, etc. complete.	125.00	Sq. Mt.	4580.00	572500.00
8	RA		Design supply & installation of suspended Spider Glazing system designed to withstand the wind pressure as pr IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider & bolt assembly with laminated glass fins 21 mm thick. The Glass fins and glass panel assembly shall be connected to Slab/beams by means of SS- 316 Grade stainless steel brackets & Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener & anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bi-metallic contacts, all complete to	24.45	Sq. Mt.	7308.00	178680.60





			perform as per specification and approved drawings. The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter & in U channel of the assembly to be filled with non staining weatre dr sealant, so as to make the entire system fully water proof & dust proof				
			The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, T&P, scaffolding ,other incidental charges including wastage, enabling temporary services all fitting fixers nut bolts, washer, Buffer plates, fastener, anchors, SS channel laminated glass etc. all complete. For the purpose of payment, actual elevation area of Glazing including thickness of joints and the portion of Glass panel inside the SS channel shall be measured.				
9	RA		ALLUMINIUM GLAZING: Providing and fixing mat/glossy finished colored 15 micron anodised fix ALLUMINIUM GLAZING (jindal/banco make) FIX WINDOW having top/sides window section – 22719( jindal ) (63.5 x 63.5 x 2.5mm wt. 1.755kg/mt.), with 5mm thick reflective glass ( saint Globin ) fixing with EPDM rubber gasket/ring, anodised screws, wall fixtures and fastenings and aluminum cleats as per architectural detailed drawings and specifications and as directed by eic	243.00	Sq. Mt.	4103.25	997089.75
10	RA		Providing and fixing GI slotted Z Patti (1.6 mm th.) & 6mm dia. U clamp with washer - nut at every 1.5 mtr. Distance for verticle Drainage /Rainwater /Water supply pipe in Running metre Instead of wooden Patti & PVC clamp etc complete. ( for 40mm Dia pipe)	247.00	RMT	9.00	2223.00
11	11		providing and fixing glass door with patch fitting door as shown in dwg.	10.10	RMT	7278.00	73507.80





			Door shall consist of make 12mm thk. Toughened clear float glass. Rate shall include necessary designer film, approved locking systems, ss handle pair, floor spring (heavy duty or equivalent) gasket & miscellaneous hardware items. Including all material and labour etc. complete as per detail drawing and instruction of engineer in charge and consultant.				
				Total = 2922789.16			

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**Name of work: OFFICE BUILDING FOR JALORE NAGARIK SAHKARI BANK LTD. AT JALORE**

**G-SCHEDULE Part-2 : Electrical work**

PWD Building BSR 2022						
Sr. No.	Item Reff. No.	Description of items	Quantity	Unit	Rate Figures	Amount (Rs.)
1	1.1	Wiring of 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) in recessed ISI marked MMS ( IS:9537 P - III ) virgin material PVC conduit & it's ISI marked (IS:3419-1988) accessories, round tiles, 1.2 mm thick Hot Dipped Galvanized Modular Box with earth terminal, 10A Modular switch, Modular face plate with grid plate, 3 pin ceiling rose / Holder /3 way connector, screws, making connections, testing etc. as required. For specification of copper Conductor, Phenolic Laminated sheet's & Electrical/ Wiring accessories refer Chapter E - 04, E - 05 & E - 07 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
1A	1.1.1	Short point (up to 3 mtr.)	30.00	Point	359.00	10770.00
1B	1.1.2	Medium point (up to 6 mtr.)	150.00	Point	578.00	86700.00
1C	1.1.3	Long point (up to 10 mtr.)	110.00	Point	772.00	84920.00
2	1.2	Wiring of twin control light 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, round tiles, 2 Nos Hot Dipped Galvanized M.S Modular box of 1.2 mm thick with earth terminal, 2 Nos 10 A two way Modular switch, 3 pin ceiling rose / holder / 3 way connector ,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 E - 04, E - 05 & E - 07 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
2a	1.2.2	Medium point (up to 6 mtr.)	6.00	Point	1137.00	6822.00
2b	1.2.3	Long point (up to 10 mtr.)	6.00	Point	1226.00	7356.00
3	1.3	Wiring of 3/5 pin 6 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed				



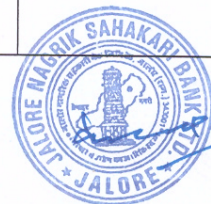


		flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) in recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's ISI marked (IS:3419-1988) accessories, Hot Dipped Galvanized Modular box of 1.2 mm thick 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 E - 04, E - 05 & E - 07 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
3a	1.3.1	On board	60.00	Point	357.00	21420.00
3b	1.3.2	Short point (up to 3 mtr.)	5.00	Point	507.00	2535.00
3c	1.3.3	Medium point (up to 6 mtr.)	20.00	Point	726.00	14520.00
3d	1.3.4	Long point (up to 10 mtr.)	10.00	Point	920.00	9200.00
4	1.4	S&F following sizes (dia.) of ISI marked virgin material MMS (IS:9537 P - III) PVC conduit along with ISI marked (IS:3419-1988) accessories as required in recess including cutting the wall, covering conduit and making good the same as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
4A	1.4.1	20 mm	1600.00	Rmt	40.00	64000.00
4B	1.4.2	25 mm	2200.00	Rmt	56.00	123200.00
4C	1.4.3	32 mm	250.00	Rmt	84.00	21000.00
5	4.1	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 99.90 % purity copper, class 5 stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, in existing surface or recessed PVC/ MS conduit/casing capping making connections with Copper Lugs of suitable size, Ferrules, testing etc. as required. OEM Must have its own in house NABL lab setup for all testing facilities for wires. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
5A	4.1.3	3x 1.5 sq.mm	1250.00	Rmt	63.00	78750.00
5B	4.1.7	2 x 2.5 sq. mm. + 1x1.5sqmm	700.00	Rmt	81.00	56700.00
5C	4.1.14	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm.	500.00	Rmt	122.00	61000.00
5D	4.1.20	2 x 6.0 sq. mm. + 1 x 4.0 sq. mm.	160.00	Rmt	185.00	29600.00





5E	4.1.23	4 x 10.0 sq.mm+ 1 x 4.0 sq. mm.	170.00	Rmt	531.00	90270.00
6	4.2	Supplying and drawing coaxial cable 75 ohm impedance with foam PE insulated solid bare copper inner conductor, and 1st outer conductor of bonded alum. tape and second outer conductor of alum. alloy braid in existing surface or recessed conduit/casing capping including making connections as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
6A	4.2.1	RG - 6	150.00	Rmt	30.00	4500.00
7	5.1	P & F 1.2 mm thick G. I. Sheet boxes duly finished with two coats of red oxide and with earthing terminal of following sizes (nominal size) in recessed/surface as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
7A	5.1.2	1.2 mm thick G I boxes				
7B	5.1.2.1	75mm x 75mm x 60mm	50.00	Each	50.00	2500.00
7C	5.1.2.2	100mm x 100mm x 60mm	20.00	Each	63.00	1260.00
8	5.5	P & F paper phenolic resin bonded laminates confirming to IS : 2036 - 1995 for boxes/ frames including making holes for switches etc, with brass screws, washers/ zinc plated nut and bolts as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
8A	5.5.1	3.0 mm thick	5.00	Sq.m	1002.00	5010.00
8B	5.5.5	12.0 mm thick	1.00	Sq.m	2161.00	2161.00
9	5.6	P & F phenolic laminated sheet 2.0 mm thick of following size . Including screws, cup washer as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
9A	5.6.1	75 mm dia	50.00	Each	10.00	500.00
9B	5.6.2	100 mm dia.	150.00	Each	17.00	2550.00
10	5.9	P & F 1.2mm thick M.S. Recessed fan box, hexagonal/ round of size 130 mm dia, depth 75mm, 12 mm dia rod fan hook with 100 mm length extended on each side . All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	35.00	Each	128.00	4480.00
11	5.1	P & F 1.00mm thick M.S. Recessed concealed box, round of size 150 mm dia, depth 100 mm complete as required. All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	20.00	Each	94.00	1880.00
12	6.1	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				
	6.1.1	Single pole MCB (With B/C curve tripping Characteristics)				0.00
12A	6.1.1.1	0.5 A to 5 A rating	6.00	Each	296.00	1776.00
12B	6.1.1.2	6 A to 32 A rating	110.00	Each	187.00	20570.00
	6.1.2	Double pole MCB(With B/C curve tripping Characteristics)				0.00
12C	6.1.2.3	40 A rating	10.00	Each	900.00	9000.00
	6.1.4	Four pole MCB (With B/C curve tripping Characteristics)				0.00
12D	6.1.4.3	40 A rating	8.00	Each	1738.36	13906.88
12E	6.1.4.4	50/63 A rating	8.00	Each	1745.00	13960.00
13	6.5	Providing & Fixing of 240/415 V Residual current circuit breaker (RCCB) conforming to (IS:12640-1)/ IEC 61008 -1 , rated 4 KV impulse withstand voltage truly current operated and shall operate on CBCT mechanism, provision for pad lock, min. operation 10,000 upto 63 A rating and 5000 for 100 A rating and minimum phase termination capacity of 35 sq.mm. rigid wire , IP 20 contact protection with existing distribution board / sheet 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				
	6.5.1	Two pole 30 mA sensitivity				
13A	6.5.1.2	32/40 A rating	15.00	Each	2237.00	33555.00
14	6.6	Providing & Fixing of din rail mounting surge protection device confirming to IEC 61643-11 for Type 1 + 2 protection and Maximum discharge current 50 kA with following configuration in existing distribution board / sheet 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				
14A	6.6.2	3P + N	1.00	Each	6315.00	6315.00
15	6.1	Providing & Fixing of Recessed/surface mounting heavy duty horizontal type Double Door ( Metal / Glazed )Distribution board with Metal end box made out from Galvanized steel / CRCA sheet not less then 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3, powder painted complete with reversible door (for double door DB only )100 amp. insulated copper bus bar/shorting link , copper neutral link, copper earth link , color coded interconnecting wire set of suitable rating and din bar,masking sheet, making internal DB terminations with copper lugs, Ferrules, detachable gland plate, 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				
	6.10.1	Metal door (single phase) IK-09 and IP-43 with Metal end box				
15A	6.10.1.5	16 Way (16+2)	3.00	Each	3389.00	10167.00
16	6.15	Providing & Fixing of Recessed/surface mounting heavy duty Vertical TPN Distribution board with Metal end box with provision of incomer suitable for MCB / RCCB and SP / TP MCB as outgoing ,made out from Galvanized steel / CRCA sheet not less then 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3. powder painted with reversible door (for double door DB only ) complete with insulated 100 A rating copper bus bar, neutral bars with shrouds, earth bar , color coded interconnecting wire set of suitable rating and din bar,masking sheet, making internal DB terminations with copper lugs, ferrules, detachable gland plate, 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				0.00
	6.15.1	Double door IK-09 & IP-43 with Metal end box				
16A	6.15.1.3	8 Way(8+24)	4.00	Each	10580.00	42320.00
17	7.25	Providing & Fixing of single / multi tone electronic	6.00	Each	492.00	2952.00





		call bell as per PWD specification for electrical Works, including 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 .				
18	7.27	Providing & Fixing of modular type switch/ bell push duly ISI marked (IS :3854) with CM/L no. printed and made out of unbreakable and fire retardant vergin UV Stabilized Polycarbonate with brass terminals and captive screws & silver alloy contact tip with IP-20 rating ,minimum width of switch toggle( PUSH PART ) should not less then 20mm, including all as per pre approved by Engineer in charge,making connections, testing etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
18A	7.27.1	10 A one way switch	200.00	Each	55.00	11000.00
18B	7.27.4	16 A one way switch With Led Indicator	25.00	Each	113.00	2825.00
19	7.28	Providing & Fixing of modular type lockable feature socket duly made out of unbreakable and fire retardant vergin poly carbonate with brass terminals and captive screws & silver alloy contact tip with IP-20 rating , including all as per pre approved by Engineer in charge,making connections, testing etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
19A	7.28.1	6 A 3/5 pin shuttered socket	200.00	Each	107.00	21400.00
19B	7.28.2	6/16 A shuttered socket	25.00	Each	176.00	4400.00
19C	7.28.4	25 Amp. 2 Module Socket	20.00	Each	228.00	4560.00
20	7.29	Providing & Fixing of modular type 120 W Step Fan regulator duly ISI marked (IS 11037:1984 ) with CM/L no. printed made out of unbreakable and fire retardant vergin poly carbonate with brass terminals and captive screws & silver alloy contact tip with IP-20 rating , including all as per pre approved by Engineer in charge,making connections, testing etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
20A	7.29.1	5 step fan regulator 2 Module 360 dgree rotating	35.00	Each	398.00	13930.00
21	7.30	Providing & Fixing of following modular accessories as per PWD specification for electrical Works, made out of unbreakable and fire retardant vergin poly carbonate with brass terminals and captive screws & silver alloy contact tip with IP-20 rating , including all as per pre approved by Engineer in charge,making connections, testing etc: as required. For additional technical parameters of				





		product / work refer Annexure 'A' attached with this BSR				
21A	7.30.1	RJ-11 telephone jack single line	30.00	Each	142.00	4260.00
21B	7.30.2	RJ-11 telephone jack Double line	10.00	Each	169.00	1690.00
21C	7.30.3	USB Charger 1 A - 1 M with BIS mark	30.00	Each	483.00	14490.00
21D	7.30.4	RJ-45, Cat 6 computer jack with shutter	40.00	Each	316.00	12640.00
21E	7.30.5	T.V. coaxial socket	5.00	Each	159.00	795.00
21F	7.30.6	Blanking plate	500.00	Each	22.00	11000.00
21G	7.30.7	25 Amp. 2 Module Motor Starter with on / off Push button	20.00	Each	388.00	7760.00
22	7.31	Providing & Fixing of following size mounting grid plates with cover plates made from fire retardent UV established high performance engineering plastic suitable for all universal metal boxes for front installation & removal direct fit type 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 .				
22A	7.31.1	1/2 Module	20.00	Each	65.00	1300.00
22B	7.31.2	3 Module	30.00	Each	86.00	2580.00
22C	7.31.3	4 Module	20.00	Each	89.00	1780.00
22D	7.31.5	6 Module	10.00	Each	114.00	1140.00
22E	7.31.6	8 Module	10.00	Each	155.00	1550.00
22F	7.31.8	12 Module	40.00	Each	214.00	8560.00
23	7.32	Providing & Fixing of Wiring Accessories OEM fabricated following size GI box of 1.2 mm thick with earthing terminal and adjustable floating clamp in recess/ surface suitable for modular accessories 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 .				
23A	7.32.1	1-2 Module	20.00	Each	86.00	1720.00
23B	7.32.2	3 Module	30.00	Each	120.00	3600.00
23C	7.32.3	4/5 Module	20.00	Each	140.00	2800.00
23D	7.32.4	6 / 8 module	20.00	Each	204.00	4080.00
23E	7.32.5	10 / 12 module	40.00	Each	286.00	11440.00
24	8.1	SITC of IP-42 and general construction confirming to IS:8623 : 1993, wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel as specifications and Other parameters required as per point (a) ,(b), (c),(d), (e), (f), (g), (h) as below:-				
		(a) Thickness of CRCA sheet shall be 2.0 mm, cable alley compartments having concealed hinged type doors with key type lock with / without detachable extension type structure. Removable 3 mm. thick sheet steel gland plates with appropriate size of knockouts for cables shall be provided				





		(b)complete panel shall undergo a process of degreasing, Water rinsing, Activation, derusting, pickling in acid bath, phosphatising & shall be subjected to nine tank process and then Powder coated with approved shade of minimum 70 microns on both side of panel. The panel having PE foam/ Neoprene rubber gasket of not less than 3mm thickness ,required hardware , concealed hinged door with key type locking arrangement for equipment/switchgear earthed with 2.5 sq.mm braided copper wire.				
		(c) Interconnection between bus bar and switchgears /cable shall be rigidly supported and made out by flexible copper wires (up to 63 amp ) and by solid bus bar (>63 amp ) . control wiring will be carried out with 1.5 Sq.mm, Earth wire with 2.5 Sq.mm and CT with 2.5 sq.mm flexible copper wire only. 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 bar Bus bar is insulated by Heat Shrinkable sleeves . Earth and Neutral bus bar shall be half of the size of phase bus bar. ( Cost of Bus bar / Flexible wire for Interconnection between Main busbar and Switchgear is to be Paid Extra )				
		(d)Wiring between components within switchgear and Incoming / outgoing cable shall be done through the terminal block only. Direct connection shall not be permitted. Each terminal block shall be one piece moulded, barrier type, 650 volt grade, complete with washers, heads, studs with two nuts and identification strips and shall have adequate continuous current rating. For tap-offs, adjacent terminals with shorting strips shall be used. 10% Spare terminal blocks shall be provided. Wire identification on marking strip shall correspond to the designation of the wiring diagrams. All wire terminals on the equipment shall also be marked with designation corresponding to those of the wiring diagram.				
		(e)All wiring shall be enclosed in plastic channels and neatly bunched and closed in metering chamber, Wiring between terminals of various devices shall be 'point to point' (no wire splitting or tee connections) with wires neatly trucked along the back of the panels, adequately supported to prevent sagging.				
		(f)Floor mounted panel shall be mounted on Base frame of ISMC channel size 100 x 50 x 5 mm ( to be paid Extra )				





		(g) Tests: The insulation resistance (with 1000 V Megger) and High voltage Power frequency test (by applying a voltage of 2.5KV for one minute) shall be measured between phases, between phase and neutral and between phase and earth. both before and after high voltage power frequency test. The insulation resistance shall not be less than three megaohm. CT Secondary current injection test shall also be carried out.				
		(h) only outer surface area on all sides shall be measured & panel to be fabricated only from CPRI approved fabricator only (CPRI Test certificates to 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 .	8.00	smt	5975.00	47800.00
25	8.2	Supplying and fixing of Copper (IEC 60028) bus bar by means of SMC / DMC type insulator with standard short circuit withstand capacity , 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 .				
25A	8.2.2	Electrolytic grade (Cu-ETP) Tin Coated annealed copper bus bars IACS 100% grade	20.00	Kg.	1301.00	26020.00
26	8.3	Providing & Fixing of IS: 13875 & IEC :61326 confirming LED Digital type (up to 500) V range Volt meter / Direct-Ammeter / CT oertated ammeter/ Frequency meter / KWH meter / Multi Function Meter / Power analyzer of class 1 accuracy as per IS : 1248 of size 96mm x 96 mm including making connection by PVC insulated copper conductor with PVC sleeves / channel 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 .				
26A	8.3.3	Three phase Ammeter with Inbuilt Selector Switch	2.00	Each	1689.00	3378.00
26B	8.3.4	Three phase Voltmeter with Inbuilt Selector Switch	2.00	Each	1689.00	3378.00
27	8.4	Providing & Fixing of BIS approved Current Transformer as per PWD specification for electrical Works , ISI marked as per IS 2705-1992/ conforming to IEC 60044-1, with secondary terminal of CT shall be brought out suitable to a terminal block which shall be easier accessible for testing and terminal connection , with all necessary support in existing panel including connection etc. as required Current transformer Ring Type Tape Wound/Resin Cast Wound as per IS 16227 with, Accuracy CI, CT ratio and burden as specified. ISF<=5, Cu cross section of secondary wire				





		1.5sqmm (minimum), including all necessary support in existing panel including connection etc. as required . All as per pre approved by Engineer in charge. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .				
	8.4.1	Ring type tape wound CT				
27A	8.4.1.1	C T Class 1, Ratio upto 150/5, Burden 5 VA	6.00	Each	614.00	3684.00
28	8.8	Providing & Fixing of 110/220 V, unibody LED Indicating lamp IEC 60947 with integral circuit, IP 65 above panel & 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 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 .				
28A	8.8.1	Red/yellow/Green colour	20.00	Each	170.00	3400.00
28B	8.8.2	Blue / white Colour	2.00	Each	260.00	520.00
29	8.21	Providing & Fixing of 110 - 240 V, AC, 1 ph. , 2 W Astronomical time switch with surge suppressor, memory card, Sunrise / Sunset selectable, software for programming including making 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 .	1.00	Each	5017.00	5017.00
30	18.20	Supply and erection of PU coated , 6 to 7 mm thick Glass / Fibre Reinforced Pole (GRP /FRP) made by CNC filament winding machine using thermoset resin polyester/epoxy resin system) having minimum 62% glass content. designed to withstand the maximum wind speed as per IS 875, and Tested for deflection not more than 15% length of pole as per ASTM D 4923, The pole should be in one piece and tapered round in shape, pole shafts shall be provided with FRP Anchor with suitable MS cated Base with provision for fixing 4 no. foundation bolts( Including cost of Foundation Bolt), The Pole shall have lockable door of approximate 500 mm length at the elevation of 500 mm from the Base plate with bakelite sheet having 6A SP MCB and 16 sqmm stud type connector ( 4 nos) inside the pole at door opening for cable connection of following length and dimension on Existing cement concrete foundation. All as per pre approved by Engineer in				





		charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .				
	18.20.1	3 Mtr. Long, Top/ Bottom OD Dia 89/126mm $\pm$ 2mm approx. With Base 250X250 X 15mm	10.00	Each	16910.00	169100.00
31	8.24	P & F Earth leakage relay for continuous surveillance of the earth leakage current of Rating 240 VAC at 50/60 Hz, Overload : x2 continuously, x10 for 3 secs as per BS6253, Voltage Tolerance : - 25% to +10% Operating temp.: -10 C to +70 C, Setting of trip point : : 0.030, 0.10, 0.30, 0.50, 1.0 ,3.0 ,5.0, 10.0,20.0 & 30.0 ( User Selectable) with Alarm Relay Output, Trip Relay Output 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 .				
	8.24.3	ELR with 120mm CBCT	1.00	each	2656.00	2656.00
32	8.25	P & F of Direct on line (DOL) / Star - Delta Starter as per IEC <b>type-2 Co-ordination chart</b> of OEM in Existing Panel with circuit breaker having inbuilt overload protection or separate thermal Overload relay , Short circuit, phase loss protection, suitable Contactors, including wiring between switchgears, Indicating lamps for R,Y,B,ON,OFF, Push button for ON, OFF, Volt meter, Ammeter, selector switch for local/remote, auto/manual/OFF operation. Cast resin CT's, provision for potential free contacts 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 .				
	8.25.1	Direct on line (DOL) Starter with following Motor rating				
	8.25.1.3	Motor rating 1.5 KW	1.00	Set	11499.00	11499.00
33	9.3	SITC of 3 /4 pole current limiting Moulded case circuit breaker (MCCB) made of flame retardent & heat resistant material having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings , conforming to IS/IEC 60947 P -2 :2003 with front face and centralised adjustable, trip free mechanism, true contact position indicator, line load interchangeability, designed for both horizontal & vertical mounting without any adverse effect on electrical performance, suitable for operation upto 55 degree and without derating upto 40 degree, pollution degree 3, having positive isolation capability, push (test) to trip, trip time less then 10 ms under s/c				