



Rajasthan Tourism Development Corporation Limited

(A Government of Rajasthan Undertaking)

Paryatan Bhawan Opposite Vidhayak Puri Thana. Jaipur

E-TENDER NOTICE NO 03/2023-24

Rajasthan Tourism Development Corporation Limited (RTDC) Jaipur invites competitive bids Repair & maintenance of water reservoir in - remaining works Asotra Barmer, Remaining Development works at Alsisar, Supply and installation of ACs in Paryatan Bhawan, Jaipur, Campus lighting work and other works at SIHM Sawai Madhopur electric work, Various Work at SIHM Dholpur from the contractors having experience in the field registered with State Government, Government of India, Central /State Government undertaking in appropriate class and trade .The detailed information can be seen at website www.rtdc.tourism.rajasthan.gov.in & sppp.rajasthan.gov.in. The tender documents can be downloaded to <http://eproc.rajasthan.gov.in> till dated 26.06.2023 upto 1.00 P.M and should be deposited online in electronic format upto 2.00 P.M on dated 26.06.2023 & will be opened at 5.00 P.M. on dated 26.06.2023.

S.N O	NAME OF WORK	APPROX. VALU E (RS. IN LAKHS)	EARNEST MONEY (RS. IN LAKHS)	TENDER COST (IN RS.)	E- PROCES SING FEES (IN RS.)	COMPLETION PERIOD OF WORK	DATE OF SELLING UPTO DATED	DATE OF RECEIPT
1	Repair & maintenance of water reservoir in - remaining works Asotra Barmer	78.50	1.57	2000	2000	6 Months	26.06.2023	26.06.2023
2	Remaining Development works at Alsisar	82.80	1.65	2000	2000	6 Months	26.06.2023	26.06.2023
3	Supply and installation of ACs in Paryatan Bhawan, Jaipur	5.60	0.11	500	500	1 Months	26.06.2023	26.06.2023
4	Campus lighting work and other works at SIHM Sawai Madhopur	9.60	0.19	1000	1000	2 Months	26.06.2023	26.06.2023
5	Various Work at SIHM Dholpur	29.40	0.58	2000	2000	2 Months	26.06.2023	26.06.2023

The undersigned reserves full right to cancel all or any part of the NIT without assigning any reason.

1. The GST Registration certificate, , PAN NO. copies ,EPF registration are to be enclosed with bid.
2. **The bid shall be in one part i.e. Financial bid . The financial bids will be opened on dated 26.06-2023.**
3. **The Earnest money & tender cost shall be in the of name of General Manager-Work, RTDC Ltd. Jaipur and e-processing fees in the name of M.D., RISL, Jaipur in the form of Bank Demand Draft shall be deposited in person in the office of General Manager-Work, RTDC Ltd. Jaipur upto dated 26.06.2023 upto 4.00 P.M and information thereof will also be given on website with tender document. .**
4. **Joint Venture bids are not acceptable.**
5. The bidder must ensure that all the information required in the documents duly singed is furnished by him complete in all respects. He would not be allowed to withdraw any documents or to rectify any information after submitting the bid.
6. **Unbalance Bid amount means positive difference of eighty five percent (85%) of estimated bid value shall be deposited by successful bidder before execution of agreement through Demand Draft, Banker's Cheque or Bank Guarantee**

(Madhav Sharma)

Executive Director-works

Date : 02-06-2023

No.WD/730

Copy to following for information & N/a:-

1. P.S. to Director Tourism, Govt. of Rajasthan, Jaipur.
2. P.S. to Managing Director, RTDC Ltd. Jaipur.
3. P.A. to Executive Director, RTDC Ltd. Jaipur.
4. E.O. to Executive Director (Finance), RTDC Ltd. Jaipur.
5. Executive Engineer/Divisional Engineer, RTDC Ltd. Jaipur/Assistant Accounts Officer, Works Division, RTDC Ltd. Jaipur.
6. Divisional Engineer-I, RTDC Ltd., Jaipur/Assistant Engineer, RTDC Ltd., Jaipur
7. Cashier, W.D., RTDC Ltd. Jaipur.
8. Computer Operator, Computer Section to upload the NIT/BID on website as mentioned above.

(Madhav Sharma)

Executive Director-works

राजस्थान टूरिज्म डवलपमेंट कॉरपोरेशन लिमिटेड (राजस्थान सरकार का उपक्रम)

पर्यटन भवन, तृतीय तल, विधायकपुरी थाने के सामने, एम. आई. रोड़, जयपुर-302001



क्रमांक

दिनांक

ई-निविदा सूचना सं. 03 / 2023-24

राजस्थान पर्यटन विकास निगम लि. जयपुर की ओर से राज्य सरकार/केन्द्र सरकार के विभागों एवं सार्वजनिक उपक्रमों में उपयुक्त श्रेणी में पंजीकृत संवेदकों से 'Online NIB' आमंत्रित की जाती है। इन कार्यों की अनुमानित लागत, निविदा बेचे जाने व प्राप्त करने की दिनांक, निविदा शर्तें आदि संपूर्ण विवरण वेबसाइट www.rtdc.tourism.rajasthan.gov.in & sppp.rajasthan.gov.in & to <http://eproc.rajasthan.gov.in> पर देखी जा सकती है।

Tender ID –

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(माधव शर्मा)
कार्यकारी निदेशक— कार्य

No.:

Date:

Copy to following for information & n/a:-

1. P.S. to Director Tourism, Govt. of Rajasthan, Jaipur
2. P.S. to Managing Director, RTDC Ltd., Jaipur
3. E.O. to Executive Director (Finance), RTDC Ltd., Jaipur
4. P.A. to Executive Director, RTDC Ltd., Jaipur
5. Executive Engineer/Divisional Engineer, RTDC Ltd., Jaipur
6. Assistant Accounts Officer, Works Division, RTDC Ltd., Jaipur
7. Cashier, W.D., RTDC Ltd., Jaipur
8. Manager, RTDC Ltd., Publicity Section , Jaipur for publication as per Rajasthan Transparency in Public Procurement Act -2013 in One leading regional daily news paper, One state level leading daily news paper daily news paper.

(Madhav Sharma)
Executive Director-WORKS,

GENERAL TERMS & CONDITIONS

SN	
1.	Tenders invited from Contractor having registration in Government / Semi-Government or any other Public Sector Undertakings.
2.	The work shall include all lead and lifts at site of work.
3	The work shall be strictly carried out as per the tender specification & Indian Standard specifications.
4	Any kind of damage to the existing structure during the execution of the work shall be made good by the contractor at no extra cost.
5.	Electricity and water for execution of the work shall be arranged by the contractor at his own cost.
6.	The contractor shall be fully responsible for compliance of Labour laws, EPF/ESI & contribution towards labour as well as himself and insurance etc. for the workers engaged by him on the works
7.	Conditional tender shall not be considered and shall be liable to be rejected without taking any cognizance thereof.
8	Quantities of any item may be increased, decreased or deleted as per site conditions and as per instruction of Engineer-in-charge. Nothing can be claimed extra for such changes in the item and also in the variation of quantities.
9.	All the instructions/specifications issued by R.T.D.C. authorities from time to time regarding construction, addition or alteration shall be binding upon the contractor.
10.	The contractor shall take all the necessary measures and will be responsible for the safety for the Labour at work and existing structure etc.
11.	Skilled man power shall be provided at site to engineer-in-charge for checking of lines, levels and specifications etc., who shall be at the disposal of the engineer-in-charge If not provided by the contractor than same shall be engaged by the Corporation on Contractor's cost and the payment made shall be recovered from the contractor.
12.	Contractor is to abide by the instruction issued by the Engineer-in-charge & Client Department Authority regarding collection/storage of material at site.
13	All service lines i.e. water supply, sewer, telephone, Electricity etc. at the site shall have to be taken care of by the contractor during the execution. Any damage to these lines shall have to repair by the contractor.
14.	All finishing material shall be got approved by the Client/competent authority before execution.
15.	All hidden works shall be got checked necessarily from the engineer-in-charge before covering them for which the contractor shall inform the engineer-in-charge well in time.
16.	All materials shall be got tested before use by the contractor at his own cost as directed by Engineer-in-charge.
17.	Defect liability shall be Two year for the said work
18.	The Tenderers are advised to visit the site before quoting the rates and to seek any clarification regarding said work, they can contact the engineer-in-charge during office hours.
19.	The rates quoted by the contractor shall be deemed to be inclusive of Sales tax, Income Tax, Service tax, Royalty, Labour cess & any other tax/duty/cess applicable by law at the time of payment and shall be borne by the contractor for performance of the contractor. The employer shall deduct such taxes as per applicable law.
20.	The Photographs' of site before starting of the work and after completion of work will be provided in two copies by the contractor at his own cost & no extra cost will be paid by department.
21	The rates quoted by the contractor will remain valid upto four months. Validity period on the written consent of the contractor can be extended.

Signature of Contractor with seal and full address with mobile No.

Executive Director-Works,
RTDC Ltd., Jaipur

UNDERTAKING

**THE Executive Director-Works,
RTDC Ltd., Jaipur**

Dear Sir,

Having examined and understood terms & conditions, the plans, specifications and Schedule of Quantities for the work prepared by your Architects/ Engineers, I/We hereby offer to execute the work at the rates which I/We have quoted for respective items specified. I/We herewith enclose my/Our DD no-----dated-----
-Name of bank-----for Rs.
.....as earnest money for execution at my/our tendered rates.

In the event of this Tender being accepted I/We agree to enter into agreement as & when required to execute the work.

Yours Faithfully

**CONTRACTOR
(Name & Full address with seal)**

MEMORANDUM

I/We hereby tender for execution for the work within time specified and rates entered in the schedule "G" in all respects in accordance with the specifications, designs, drawings and instructions in writing referred to herein and in the annexed conditions with such materials as are provided for by and in all other respects in accordance with such conditions so far as applicable. I/We have visited the site of work & I/We am/are fully aware of all the difficulties & conditions likely to effect carrying out of the work. I/We have fully acquainted myself/ourselves about the conditions in regard to accessibility of site and quarries/kilns, nature and the extent of ground, working conditions including stacking of material, installation of T&P, conditions affecting accommodation and movement of labour etc. required for the satisfactory execution of this contract.

- | | | |
|-----|--|-----|
| (a) | Name of work | |
| (b) | Estimated Cost (in figures) | Rs. |
| | (in words) | Rs |
| (c) | Earnest Money | Rs. |
| (d) | Security Deposit (Including Earnest Money) | Rs. |

NOTE:

- (1) Security deposit to be 10% in the form of cash or deduction to be made from running bills.
- (2) Time allowed for the work to be reckoned from the 10th day after the date of written order to commence the work.

Should this tender be accepted in whole or in part I/We hereby agree to abide-by and fulfill all terms and provisions of the conditions of contract annexed hereto and in the NIT or in default thereof to forfeit and pay to the General Manager (Works) , Jaipur the sum of money mentioned in the said conditions.

A sum of Rs..... is enclosed herewith as earnest money. This amount of earnest money shall absolutely be forfeited to Department without prejudice to any other right or remedies should I/We fail to commence the work specified in the above memorandum or should I/We not furnish performance guarantee in cash or in form or Bank guarantee at the time of execution of agreement specified in the above memorandum in accordance with the said conditions of contract.

Signature of Contractor

The above tender is hereby accepted by me..

Executive Director-Works.
RTDC Ltd., Jaipur

DIRECTIONS FOR GUIDANCE OF CONTRACTORS

1. All works proposed for execution by contract will be notified in a form of invitation to tender pasted on a board hung up in the office and signed by Executive Director-Works, RTDC LTD., Jaipur or duly authorized officer.
The form of invitation to tender will state the work to be carried out as well as the date of submitting and opening of tenders & the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender, and the amount of security deposit to be deposited by the successful tenderer and the percentage as per PWF&AR, Govt. of Rajasthan to be deducted from the bills, copies of the specifications, designs and drawing and estimated rates/scheduled rates and any other documents required in connection with the work for the purpose of identification by the Rajasthan Tourism Development Corpn. Jaipur Drawings shall also be open for inspection by the contractor at the office of the Executive Director-Works Rajasthan Tourism Development Corporation Ltd., Jaipur or duly authorized Engineer during office hours.
2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof, or, in the event of the absence of any partner, it must be signed on his behalf by a person holding power of attorney authorizing him to do so.
3. Receipt for payment made on account of a work when executed by a firm, must also be signed by the several partners, except where the contractor are described in their tender as a firm in which case the receipt must be signed in the name of the firm by one of the partners or by some other person having to give effectual receipts for the firm.
4. Any person who submits tender shall fill up the usual printed form stating at how much percent above or below the rates specified or on item rates, he is willing to undertake the work. Tenders which propose any alteration in the work specified in the said form of invitation to tender or in the time allowed for carrying out the work or which contain any other conditions of any sort will be liable to rejection. No single tender shall include more than one work, but person who wish to tender for two or more works shall submit a separate tender for each work. Tender shall have the name and number of the work to which they refer written outside the envelope.
5. The Executive Director-Works, RTDC Ltd., Jaipur or other duly authorized Engineer will open the tenders in the presence of any intending contractors or their authorized representative who may be present at the time and will enter the amounts of the several tenders in the Register of tenders in the event of the tender being accepted. A receipt for the earnest money forwarded therein shall there upon be given to the contractor who shall there-upon for the purpose of identification sign copies of the specifications and other documents. In the event of a tender being rejected, the earnest money forwarded with such unaccepted tender shall be returned to the contractor.
6. The Executive Director-Works, RTDC Ltd., Jaipur or other authorized Engineer shall have the right of rejecting all or any of the tenders without assigning any reasons.
7. The accompanying schedules of quantities in "G" Schedule are the architects estimated quantities for the work. The contractor/s shall attach his/their OWN prices for the each item in column for rates left blank and shall money out the same in the final column & totals. He/They shall fill up properly the form of tender and the schedule of quantities without adding any stipulations thereto. The tender shall show the total amount arrived at in the manner above described. The tender, Notice to Contractors, conditions of contract. Specifications and the Schedule of quantities and rates, etc. shall all be embodied in and shall form a part of the contract.
8. The quantities contained in the Schedule are only approximately correct. If more or less quantities are actually done on the work the contractor/s shall be paid for the same at the rates tendered by him/them in the Schedule of Rates. The work as actually done will be measured by the contractor's qualified engineer and bill furnished to the Executive Director-Works RTDC Ltd., Jaipur which in turn will get it checked by the Engineer in charge time to time, and will be paid for as provided in the Special Condition of Contract after deducting S.D. as per PWF&AR. provisions.

Signature of Contractor

GENERAL CONDITIONS OF CONTRACT

1. All the materials used shall be of approved quality and to the entire satisfaction of the Executive Director-Works, RTDC Ltd., Jaipur
2. The Executive Director-Works, RTDC Ltd., Jaipur or the Engineer in charge reserves right for any additions and alternations or omission in the tender and execution of works. In case the Department supplies the material specified in the tender, recovery for the cost of supplied material from subsequent running Bill will be made.
3. The Department shall pay to the contractor as detailed in special conditions of contract.
4. The contractor/s is/are to set out the work in accordance with the plans. All lines to be accurately marked or otherwise to the satisfaction of the Engineer in charge.
5. The contractor/s shall meet the Engineer in charge or his representative at the works site whenever required.
6. The contractor/s shall maintain and be represented on site at all times by a responsible and efficient Engineer/Architect who thoroughly understands all the trades enrolled. The Engineer in charge reserves the right to dismiss the Foremen and any workmen who in his opinions are not sufficiently skilled or who neglect or refuse to obey instructions.
7. The Executive Director-Works, RTDC Ltd., Jaipur, reserves the right of altering the drawings and nature of the work and adding to or omitting any item of work or having portions of the same carried out departmentally or otherwise and such alterations or variations shall be carried out without prejudice to the contract
8. The Executive Director-Works, RTDC Ltd., Jaipur reserves to the right to increase or decrease quantity of work or omit some part of the work without violating the contract and for which he will not be held liable to compensation to the contractor/s.
9. All plants, machines and other equipments are to be arranged by contractor for the work.
10. Any percentage rate tender containing item-wise rates and any item rate tender containing percentage rate below or above estimated/scheduled rates will be summarily rejected.
11. The Conditions of Contract shall govern sales tax or any other tax on materials, or Income Tax in respect of the contract. Deduction of Income Tax at source will be made as per provisions of the Income Tax Act, in force from time to time.
12. If on check, there are differences between the rate quoted by the Contractor in words and figures, or in the amount worked out by him, the following procedure shall be followed: -
 - (i) Where there is a difference between the rates in figures and words, lower of the two rates shall be taken as valid and correct rate.
 - (ii) When the rate quoted by the contractor in figures and in words tallies, but the amount is not worked out correctly, the rate quoted by the contractor shall be taken as correct and not the amount worked out.
 - (iii) While quoting rates, if rate/rates against any item or items are found to be omitted, the rate given in the Schedule "G" by the Department for such items will be taken into account while preparing comparative statement and contractor shall be bound to execute such item on "G" Schedule rates.
 - (iv) In case where percentage is given but the 'above' or 'below' not scored, the tender will be treated **as percentage below**.
13. The Contractor shall read the specifications and study the working drawings carefully before submitting the tender.
14. After acceptance of the tender, the Contractor or all partners (in the case of partnership firm), will append photographs and signatures duly attested, at the time of execution of agreement.
15. Experience into similar nature of works for which tender invited and fulfill conditions of NIT.
16. Contractors shall submit only unconditional tenders. Conditional tenders are liable to be rejected similarly.

**Signature of
Contractor**

Executive Director-Works,

**RAJASTHAN TOURISM DEVELOPMENT CORPORATION
LIMITED, JAIPUR (WORKS DIVISION)**

**TENDER DOCUMENT
(Financial Bid)**

E-Tender (NIT No.) 03/2023-24

Name of work:- Various Work at SIHM Dholpur

Signature of Contractor

RAJASTHAN TOURISM DEVELOPMENT CORPORATION LIMITED, JAIPUR		
Name of Work : Various Work at SIHM Dholpur		
	G-Schedule	
S.No.	PARTICULARS	AMOUNT
1	PART -A - CIVIL WORKS	1,199,205.00
	I/We hereby agree to execute the work @ % Above/Below	
2	PART - B - ELECTRICAL WORKS	1,740,873.00
	I/We hereby agree to execute the work @ % Above/Below	
	Total	2,940,078.00

**Signature of the Contractor
with full postal address**

**EXECUTIVE DIRECTOR
(WORKS)
R.T.D.C. LIMITED,
JAIPUR**

RAJASTHAN TOURISM DEVELOPMENT CORPORATION LIMITED, JAIPUR**Name of Work : Various Work at SIHM Dholpur****G-Schedule****Rates based on PWD City Circle-Jaipur BSR-2019**

S.No.	Item	Unit	Qty.	Rate	Amount
	<u>Civil Work</u>				
1	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. M10 grade Nominal Mix 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).. (B-3/3.1.4)	P.Cum	5	3497.00	17485.00
2	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) Thermo-mechanically Treated bars (Conforming of relevant IS code) (B-4/4.13.3)	P.Kg	500	64.00	32000.00
3	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in Cement mortar 1 : 6 (1 cement : 6 coarse sand) (B- 5/5.2.2)	P.Cum	5	4536.00	22680.00
4	Half brick masonry in Superstructure , above plinth level upto floor V level using bricks of designation 75 Cement mortar 1 : 4 (1 cement : 4 coarse sand) (B-5/5.8.2)	P.Sqm	100	503.00	50300.00
5	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in Cement Mortar 1:6 (1-Cement : 6-Sand). (B-6/6.1.6)	P.Cum	10	2580.00	25800.00
6	Supplying and fixing machine cut fine dressed Red/Pink sand stone dasa or coping, with full moulding if required laid on cement mortar 1:4 including pointing with admixture of pigment matching with the stone shade. 50mm thick (B-6/6.19.2)	P.Sqm	20	1325.00	26500.00
7	Providing and fixing 1st quality standard white, grey, ivory, fume red brown, light green, light blue and other light shades glazed tiles confirming to IS : 13753 & IS :15622 of size 200mm x 300mm 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). (B- 7/7.14)	P.Sqm	500	613.00	306500.00
8	Kota stone slab flooring 25 mm thick over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) For area of each slab from 2001 to 5000 Sq.Cm (B- 11/11.18.2)	P.Sqm	20	930.00	18600.00
9	Fine dressed & machine cut edges 30-35 mm thick sand stone flooring over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) jointed grey cement slurry mixed with pigment to match the shade of stone complete as per design drawing and instruction of EI. Pink sand stone (Bansi Paharpur stone) (B-11/11.22.2)	P.Sqm	10	803.00	8030.00

10	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish 20mm thick (B-12/12.2.2)	P.Sqm	200	168.00	33600.00
11	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).	Sqm	400	680.00	272000.00
12	Providing and fixing wood panelling or panelling andglazing in panelled or panelled and glazed shutters fordoors, windows and clerestory windows (Area of openingfor panel inserts excluding portion inside grooves orrebates to be measured). Panelling for panelled andglazed shutter 25 mm to 40 mm thick 4 mm plain float glass	Sqm	50	763.00	38150.00
13	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. Above 3601 Cm2 Slabs	Sqm	20	2753.00	55060.00
14	Construction of granular sub base by providing well graded material spreading in uniform layers with Tractor Mount Grader on prepared surface mixing by mix in place method with rotavator at OMC and compacting with smooth wheel roller to achieve the desired density complete as per MoRTH Specification Clause 401 Grading –I Material	Pcum	150	536.00	80400.00
15	180cm high fencing with angle iron post 55x55x6mm. placed at every 3Mtr. apart 45cm. in ground embedded in cement concrete 1:3:6 (30x30x60cm) corner and every tenth post to be struttred with 55x55x6mm. angle iron provided with 6 horizontal lines and two diagonals of black barbed wire between two posts fitted and fixed with G.I. staples including earth work in excavation etc. complete.	Mtr	300	533.00	159900.00
16	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	Kg	600	87.00	52200.00
	Total Rs.				1199205.00
	I/We hereby agree to execute the work @ % Above/Below				
	Total of Part A				

Signature of the Contractor
with full postal address

**EXECUTIVE DIRECTOR
(WORKS)
R.T.D.C. LIMITED, JAIPUR**

PART B = Electric work (Electric BSR 2021)

Sr.	Item	Unit	Qty	Rate	Amount
1	Supply and erection of Galvanized Iron pole with galvanizing done in single dipping (Average coating thickness Minimum 65 Microns) continuously tapered poles having Octagonal / Circular cross-sections designed to withstand the maximum wind speed as per IS 875, The pole shaft shall be made from sheet steel (HT Steel Conforming to grade S355JO) and conforming to BSEN 10025 and shall be continuously tapered with single longitudinal welding. There shall not be any circumferential welding. The welding of pole shaft shall be done by Submerged Arc Welding (SAW) process. pole shafts shall be provided with the rigid flange plate of suitable thickness (Fe 410 conforming to IS 226 / IS 2062) with provision for fixing 4 no. foundation bolts, This base plate shall be fillet welded to the pole shaft at two locations i.e. from inside and outside. The octagonal Poles 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 as per table P-01 with base plate and foundation bolt on the 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 . Poles with Octagonal Cross Section 4Mtr	Each	45.00	7575.00	340875.00
2	Supply and Fixing of Pole OEM fabricated hot dipped galvanised M.S. Overhang (48.3 X 3.25 mm) with cap (400 x 88.9 / 114.3 x 3.25 mm) over the existing poles. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . Single arm overhang	mtr	45.00	885.00	39825.00
3	Providing & Fixing of IK08, IP 66 protected LED Street Light Luminaire on existing bracket/pole. Fixture made of powder coated single piece pressure die cast aluminum material with heat dissipation fins on housing with UV stabilized PC (UV stabilization report submitted for UV cover) /Toughened Glass cover and secondary lens on each LED & should be SMD type of 3 to 5 watt each . The System efficacy ≥ 125 lm/ wt and potted driver & has a unique BIS R number with Input Voltage AC 120 to 270 V AC with High voltage Cutoff ≥ 300 V AC and Auto resetting Safety , Power Factor > 0.95 driver Efficiency $> 85\%$, THD(I) $< 10\%$ Humidity 10% to 90% RH Working Temp -5C to 45C . driver current < 750 mA. The luminaire shall be BIS certified and Trade mark certified. Life Expectancy Equal or more than 50000 burning hrs with Minimum 70% lumen maintained , CRI > 70 and CCT 5700K +355K. Surge protection shall be $\min \geq 4$ KV internal and $\min 10$ KV external inside driver compartment. driver should be Phase to phase protection of 440 V for 4 Hrs. Manufactures Word Mark/Name Engraved/Embossing on die cast housing to allow traceability/authenticity. Fixture shall be AS PER IS 10322 Complied. OEM Must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79/LM80) Certificate/ report with liable warranty of product/ accessories from OEM shall be submitted. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . LED Street Light fixture with Minimum lumen output 5600 lm	Each	45.00	2396.00	107820.00

4	Providing & Fixing of BEE Star rated copper wounded double ball bearing capacitor start, aluminium body & Metallic blade ceiling fan Conforming to all the performance requirements laid down in IS 374:2019 including all amendments, as applicable ; & Carry BIS licensing (i.e. ISI marking) with down rod up to 80 cm with secondary support safety cable (steel rope) , cotter pin with 3 x 1.5 sq.mm pvc insulated flexible copper conductor 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 . 1400mm Sweep BEE 3 Star rated (service value ≥ 5.0 to < 5.5)	Each	225.00	1684.00	378900.00
5	Providing & Fixing of ventilating fans Capacitor start, copper wounded, single phase with PVC impeller, ABS body, automatic openable louver shutter in existing opening 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 . 300mm sweep	Each	18.00	1176.00	21168.00
6	Providing & Fixing of Heavy duty capacitor start, copper wound Double ball bearing 900/1400 RPM single phase Exhaust fan conforming to IS:2312 ISI marked in existing opening including making connections testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . 450 mm sweep (900/1400 RPM)	Each	18.00	4158.00	74844.00
7	Providing & Fixing of energy efficient direct fit (Retrofit) Polycarbonate/ Glass housing SMD Mid Power LED tube rod (with integral driver & alum. heat sink), on existing fixture. system lumen efficacy ≥ 100 lm/Watt output, internal surge protection of 2.5 KV , THD $< 20\%$, p.f. ≥ 0.95 , CRI > 80 , life time of minimum 35000 Burning Hours with , 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K / 6000°K / 6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 & LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . 4' LED Tube shape fixture 18/20 W (Extruded Al Base)	Each	300.00	303.00	90900.00
8	Providing & Fixing of IP-20 LED Recessed / Surface Mounted, Round / Square SMD Mid Power LED Downlight with power coated die-cast aluminum housing with UV Stabilized non yellowish Diffuser with BIS compliance 2.5 KV surge protected Isolated driver, with Short & Open circuit protection, having efficiency $> 85\%$. System Lumen efficacy of ≥ 110 lm / watt, THD $< 10\%$, Pf. ≥ 0.95 , CRI > 80 , life time of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K / 6000°K / 6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 & LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . LED Downlight 12/14 W	Each	125.00	574.00	71750.00

9	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 Single pole MCB (With B/C curve tripping Characteristics) 6 A to 32 A rating	Each	150.00	142.00	21300.00
10	Providing & Fixing of 240/415 V isolator ISI marked IS:13947-III/conforming to IEC 60947-3, suitable for AC22A utilizationcategory, 4KV impulse withstand voltage, true contact indication, Red colour dolly / lever shall have single mould covering over all poles for operation , two position din rail mounting, minimum phase termination capacity of 35sq.mm. IP 20 contact protection and fitted 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 approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR Four pole Isolator 50-63 A rating	Each	20.00	1265.00	25300.00
11	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 5 step fan regulator 1 Module 360 dgree rotating	Each	250.00	227.00	56750.00
12	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 RJ-11 telephone jack single line	Each	40.00	70.00	2800.00
13	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 sheetnot less then 1.2 mm thick conforming to IS-8623-1 & 3 / IEC61439- 1 & 3, powder painted complete with reversible door (fordouble 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 Metal door (Three phase) IK-09 and IP-43 with Metal end box 8 way	Each	8.00	2373.00	18984.00

14	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 RJ-45, Cat 6 computer jack with shutter	Each	40.00	316.00	12640.00
15	SITCofwall/freestandingfloormounteddustandverminproofcompartmentalisedcubicalpanelasperPWDspecificationforelectricalWorks,madeoutofCRCAsheet.Ot herparametersrequiredas per point (a) ,(b), (c),(d) below:- (a)Thicknessofsheetshallnotbelessthan1.6mmupto600mmlength/widthofanycompartmentandbeof2.0mmabove600mm.Loadbearingstructureshallbeof2.0mm thicksheetsupportedbybaseM.S.channelifrequired.Sidewallsandcablealleycomp artmentshavingboltedtypedoorswith/withoutdetachableextensiontypestructur e (b)panelshallbedulytreatedfororderustingin7tankprocesswithdephosphatingand withpowdercoatingofminimum70micronsonbothsideofpanelindesiedshadeThe panelhavingPU/Neoprenerrubbergasketofnotlessthan3mmthickness,requiredhar dware,separateddetachablelegandplateM.S.basechannel(min75mm),hinged door with locking arrangement for equipment/switchgear (c)Interconnectionbetweenbusbarandswitchgears/cables shallberigidlysupporte dandmadeoutbyflexiblecopperwires(upto125amp)andbysolidbusbar(>125amp) .Alljoints/interconnectionsofcopperbusbarshallbedullytinned.Clearancebetwee nmainbusbarandrisers/metalpartsshallbeatleast10mmadditionaltowidthofbusb arBusbarisinsulatedbyHeatShrinkablesleeves.EarthandNeutral bus bar shall be half of the size of phase bus bar. (d)onlyouterareonallsidesshallbemeasured&paneltobefabricatedonlyfromCPR lapprovedfabricator.AllasperdrawingpreapprovedbyEngineerincharge.Foradditi onaltechnicalparametersofproducts/ work , refer Annexure "A" attached with this BSR .	Sqmt	15.00	3443.00	51645.00
16	Supplying and fixing of Aluminium (IEC 60105 ISO 209-1,2) / 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 . Electrolyticgrade(Cu-ETP)TinCoatedannealedcopperbusbarsIACS100% grade	Kg	20.00	797.00	15940.00
17	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 .				
	Three phase Ammeter with Inbuilt Selector Switch	Each	4.00	1689.00	6756.00
	Three phase Voltmeter with Inbuilt Selector Switch	Each	4.00	1689.00	6756.00

18	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 Cl, 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 . Ring type tape wound CT Class 1, Ratio 200/5 to 300/5, Burden 10 VA	Each	12.00	435.00	5220.00
19	Providing & Fixing of selector switch of 10 A for voltmeter using high grade engineering material to international standards with cam assembly insulation of glass filled polyamide with high tracking index. For reliable and stable electrical and mechanical endurance double butt contacts with silver bi-metal on copper should provided . contact assembly is of operating temp range -25 degree C to 55 degree C, frequency upto 10 KHz. switch life under std. op. conditions shall be mechanically minimum 50000 operations @300 cycles/ hour and electrically 10,000 operations at 100% rated duty for 100 cycles/ hour 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 . Voltage Between Phases with OFF (4 Position)	Each	4.00	351.00	1404.00
20	Providing & Fixing of CT linked selector switch of 10 A for Ampere meter (4 position) using high grade engineering material to international standards with cam assembly insulation of glass filled polyamide with high tracking index. For reliable and stable electrical and mechanical endurance double butt contacts with silver bi-metal on copper should provided . contact assembly is of operating temp range -25 degree C to 55 degree C, frequency upto 10 KHz. switch life under std. op. conditions shall be mechanically minimum 50000 operations @300 cycles/ hour and electrically 10,000 operations at 100% rated duty for 100 cycles/ hour , 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 .	Each	4.00	302.00	1208.00
21	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 . Red/yellow/Green colour	Each	12.00	127.00	1524.00
22	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 condition, Breaking capacity Ics = 100% Icu. U imp =8 KV, rated insulation voltage 690 V.provision for UVR , shunt trip , earth fault trip, door interlock, pad lock & rotary handle , including making connections etc. as required.OEM shall have submit NABL / CPRI / ERDA accredited lab type test certificate before execution All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR 3 pole MCCB With Thermal Magnetic release				
	160 Amp , 25 kA, adjustable O/L & adjustable S/C setting,	Each	5.00	6171.00	30855.00

	250 Amp , 25 kA, adjustable O/L & adjustable S/C setting,	Each	2.00	15294.00	30588.00
23	Supplying and making one end termination with heavy duty single compression brass gland (as per IS 12943-1990) SIBG type, heavy duty Copper/Bimetallic clugs (IS 8337-1976) duly crimped with crimping tool, PVC tape as per PWD specification for electrical work set for following size of Armoured PVC insulated & PVC sheathed /XLPE aluminium/copper conductor cable of 1100 volt grade as required of size. All as per pre approved by Engineer in charge. For additional technical parameters of products/work, refer Annexure "A" attached with this BSR .				
	10.0 Sq. mm 4 core	mtr	600.00	109.00	65400.00
	16.0 Sq. mm 4 core	mtr	500.00	123.00	61500.00
	35.0 Sq. mm 3.5 core	mtr	300.00	179.00	53700.00
	25.0 sq.mm 3.5 core	mtr	500.00	152.00	76000.00
24	Providing & Fixing of AC operated heavy duty 230/440 Volt power contactor as per PWD specification for electrical works, ISI marked IS/IEC 60947-4-1:2000 having provision of mechanical interlocking, auxiliary contacts, Din rail mounting type including making connections, testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/work, refer Annexure "A" attached with this BSR . pole Power contactors with following AC 1 Rating 100 AMP	Each	6.00	6355.00	38130.00
	Providing & Fixing of ISO certified company made on load change over switch, front handle operated, four pole 415 V as per PWD specification for electrical works conforming to IS/IEC 60947-3:1999 including connections, testing etc. as required. in the following rating. Appropriate type test certificate/OEM test report shall be submitted. All as per pre approved by Engineer in charge. For additional technical parameters of products/work, refer Annexure "A" attached with this BSR . 320 A	Each	1.00	13003.00	13003.00
	Plate Earthing as per PWD specification for electrical works as per IS:3043 with copper Earth plate of size 600mm x 600mm x 3.0mm by embodying 3 to 4 mtr. below the ground level with 20mm dia. G.I. 'B' class watering Pipe, including all accessories like nut, bolts, reducer, nipple, wire mesh funnel, and Heavy duty weather proof polypropylene earth pit chamber with lockable Jam free lids suitable for safe working load 5000 Kg or more of size Top Dia. 225 to 260mm, Bottom Dia 300 to 350mm. and Height 250 to 300mm. and embodying the pipe complete with alternate layers salt and coke/charcoal, testing of earth resistance for value of 5 ohms or less as required & must record by engineer in charge during site visit and ensure to enter in measurement book. All as per pre approved by Engineer in charge. For additional technical parameters of products/work, refer Annexure "A" attached with this BSR .	Each	2.00	8694.00	17388.00
	Total part B				1740873.00
	I/We hereby agree to execute the work @ % Above/Below				
	Total of Part B				

**Signature of the Contractor
with full postal address**

**EXECUTIVE DIRECTOR
(WORKS)
R.T.D.C. LIMITED, JAIPUR**