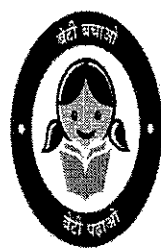




न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड

Nuclear Power Corporation of India Limited

(भारत सरकार का उद्यम Government of India Enterprise)



कैगा स्थल KAIGA SITE

CENTRALISED TENDER CELL केंद्रीय नीविदा प्रकोष्ठ

Corporate Identification No. U40104MH1987GOI149458

Phone: +91 8382 264002

Fax: +91 8382 264025

E-mail: sdileep@npcil.co.in

Website: www.npcil.nic.in

Ref: NPCIL/KAIGA/CTC(C&MM)/Ele - TS/CPPP-WO/2024-25/1160

Date: 20.06.2025

To

Work Order

M/s. SHIVAKUMAR & CO
G-2 Ground Floor Belgaum
Samachar Bhavan Nargundkar
Chowk BELAGAVI - 590 001

Work Order Code No.	:	102157
S.L. Code	:	S0047102157
Account Code	:	14484
Charge Code	:	6153
MSME	:	NA
MSME Registration No	:	NA

Kind Atten: Shri. BHOJAPPA MALLAPPA THOTAD

Mob : 9448475129

E-mail : shivakumarcompany@rediffmail.com

WORK ORDER NO: NPCIL/KGS/CTC- C&MM (WORKS GROUP)/Ele-TS/92210/2024/CPPP-WO

Name of Work : Supply, installation, testing and commissioning of indoor 33/11 KV substation, 415 volts, local distribution with associated cabling works at phase- area near Swimming pool Kaiga Township.

Ref :

- 1) Tender No.: 2024_NPCIL_195538_2
- 2) Last date of submission of tender is 09.09.2024 (As per GeM Corrigendum-I)
- 3) Price Negotiation MOM Dated 24.01.2025

Dear Sir,

1. Bid Acceptance:

This is to inform you that, the bid submitted by you as referred above and subsequently modified vide ref. (3) above has been accepted for and on behalf of NPCIL, for the items of work shown in the enclosed schedule of quantities and rates for a total value of ₹ 7,16,51,068/- (Rupees Seven Crore Sixteen lakhs Fifty One Thousand Sixty Eight only) inclusive of all applicable taxes and GST.

पंजीकृत कार्यालय 16 : वी तलसैंटर, -1, वर्ल्ड ट्रेड सेंटर. 400005-मुम्बई, कोलाबा, कफे परेड,

Registered Office: 16th Floor, Centre-1, World Trade Centre, Cuffe Parade, Coluba, Mumbai-400005.

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20/6/25

2. QUANTITIES & RATES.

2.1 You may note that the rates are for complete items of work including supply of all materials (unless otherwise specified), consumables, all temporary arrangements, all labours, all prevailing duties, taxes including GST.

2.2 The item of SOQR – **AHR Item: 1.02, 1.03 & 73**
ALR Item: 12.07

After Price Negotiation

Note : Item No. 5 and Item No 19 to 56 (Schedule – A) are deleted from Original initial SOQR.

3. CONTRACT PRICE ADJUSTMENT:

Escalation of payment shall be applicable as per GCC Clause no.11.3, Sl. No. 21 of Schedule-A and other condition of this contract.

4. EXECUTION OF WORK :

4.1 The work shall be carried out strictly in accordance with the terms, conditions, specifications and drawings stipulated in the tender and also in best workmanlike manner. You shall employ and maintain qualified engineers/ supervisors in the job at all times. You shall also bring to the site and employ such machinery and equipment and other materials as are necessary for the satisfactory completion of this work.

5. CONTRACT PERIOD:

5.1 Schedule completion Period:

The work shall be completed in all respect within **Twelve (365 Calendar Days) Months** from the date of commencement. The date of commencement of work is from 10.09.2025. The time shall be essence of the contract and the work shall be completed as per approved program of work.

5.2 Defect Liability Period:

The Defect Liability Period as per Para 9.1.1 of Schedule-A of Tender is **YES** and it is **12 Months**.

6. AUTHORISED OFFICIALS:

6.1 You are requested to inform the name of the authorized representative who will deal with all matter relating to the contract and the Power of Attorney in his favour duly executed on stamped paper of an appropriate value shall be furnished.

6.2 During the execution of the contract and until completion certificate is issued you will be fully liable to compensate all concerned for any loss, damage or destruction of work, structure, property etc. including third party risk arising due to causes attributable to you which will be decided by the Engineer-in-charge whose decision in this regard will be final.



7. INSURANCE:

You are required to take out following insurance policies applicable to this contract at your cost immediately after receipt of this work order from the date of commencement of work to the end of the Defect Liability Period for whole contract value inclusive of GST.

- a) CAR policy for the whole contract value Applicable.
- b) The Insurance amount should cover THIRD PARTY LIABILITY to 10% of Contract value subject to a maximum of Rs. 50 lakhs.
- c) Employees State Insurances for contract workers.
- d) Wherever ESI Act not covers the contract worker based on monthly wage/ salary, contractor shall obtain the employees/ Workmen compensation for such workers.

You may note that all insurance policies taken under 7(a), (b) & (d) are to be in Joint names of Corporation and the contractor and specific to work by mentioning the name of work and work order Number in the policies and all Policies in Original should be submitted to the Engineer-in-charge before the date of commencement of work. Copy of ESI registration certificate shall be submitted to EIC before commencement of the work.

8. TAXES & DUTIES:

For tax related compliance (including TDS) refer sl. No. 2.33 of special conditions of contract (SCC)

9. ENGINEER-IN-CHARGE:

Shri. S. P. Kamat, OIC - Electrical (Township)) will be the Engineer-in-Charge of this work. You may make necessary arrangements for commencing the work immediately in consultation with Engineer-in-Charge.

10. SECURITY DEPOSIT:

Security Deposit shall be @ 10% and the contract value will be ₹ 71,65,107/- (Rupees Seventy One Lakhs Sixty Five Thousand One Hundred and Seven Only) and shall be governed as per clause no.4.2 of GCC.

10.1 Performance Guarantee:

As per clause No.4.2.3 of GCC you shall submit a performance guarantee for ₹ 35,82,554/- (50% of Security Deposit) to the Corporation within 30 days after issue of work order.


20/01/25

10.2 Retention Money:

As per clause No.4.2.5 of GCC, the remaining amount (50% of Security Deposit) of Security Deposit of ₹ 35,82,553/- will be deducted as a Retention money from the RA bill/final bill at the rate of 6% of each bill amount. Security Deposit amount will not bear any interest.

10.3 Refund of Security Deposit:

Refund of Security deposit will be regularized as per clause no. 4.3 of General Condition of Contract.

11. APPLICABLE LAWS & ACTS:

11.1 You shall comply with various provisions of the contract labour (Regulations & Abolition) Act 1970 and rules framed thereafter from time to time. In case, the Contract Labour Act does not apply to your organization you should intimate the Engineer-In-Charge of this work accordingly before commencing the work. Further you shall also comply with the provisions of other laws such as Workmen's Compensation Act 1923, Minimum Wages Act 1948, E.P.F. Act, ESI Act, Gratuity Act and other labor laws as applicable to your organization. In case, NPCIL is required to incur any expenses as principal employer under the provisions of the various laws, NPC shall be entitled to recover the same from you/your bills.

11.2 You have to give request for the issue of Principal Employer's Certificate for obtaining labour license based on the maximum number of workmen you proposed to employ for this work. You may please note that within 14 days from the date of issue of this work order, you will have to apply for a labour license to the Asstt. Labour Commissioner, of the area, for the maximum number of workers you had indicated to engage on the work.

11.3 The contractor shall make the payment to all its labours on or before 7th of succeeding month and as defined in clause no: 2.9 of special condition of contract.

11.4 Labour License (if applicable).

12. PAYMENT TERMS:

12.1 The progressive monthly payment for the work completed and accepted by Engineer-In-Charge shall be made through Running Account bills once in a month as per clause No:12.2 of GCC on submission of measurement / bill by the contractor.

12.2 Payment of bills will be processed on submission of GST Invoice duly supported with Annexure-8 (Declaration Form for GST).

12.3 In addition to above, first Running Account bill will be processed only on submission of Intimation from Tender Section regarding Work order acceptance & agreement signed by the contractor, Insurance Policies, Copy of PAN, GST Registration Certificates and Cancelled Cheque or Bank Details to the EIC.

13. PENALTY & LIQUIDATED DAMAGES CLAUSE:

Penalties imposed by Engineer In-charge for non-compliance or violation of certain conditions of contract, Liquidated Damages for delay in execution and any other penalty in the nature of fine imposed during execution of work will be recovered along with applicable GST there on from bills of the contractor before release of payment.

14. SECUTIRY, SAFETY & HOUSEKEEPING:

You may have to comply all Security, Safety rules & regulations, Environmental measure as defined in the Contract.

15. AGREEMENT:

A formal agreement incorporating all the terms and conditions agreed between NPCIL and **M/s. SHIVAKUMAR & CO**, will be executed within the period as defined in the special condition of contract clause no. 2.14 from the date of issue of this work order. Till a **formal agreement** is executed the original tender together with letters under reference and this work order shall form the binding contract between NPCIL and **M/s. SHIVAKUMAR & CO**.

Kindly acknowledge receipt of this Work Order.

Thanking you,

Yours faithfully
For and on behalf of NPCIL

[Signature]
20/06/2025

[Signature]
20.06.2025
19:07

[Signature] 20-6-25
(S, J. THIPPESWAMY)
Additional Chief Engineer (KGS-1&2)

NUCLEAR POWER CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)

Kaiga Generating Station

Schedule Of Quantities And Rates



Print Date: 20-Jun-2025

Name of Work: Supply, installation, testing and commissioning of indoor 33 /11 KV substation, 415 volts, local distribution with associated cabling works at phase - I area near Swimming pool Kaiga Township..

WO / SOQR Number : 102157

Agency Name : M/s. Shivakumar & Co

Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
Rate in Words							
Schedule : E&US-A							
1.01	33KV, 11KV SWITCHGEAR MAIN EQUIPMENT Design, Manufacture/ Fabrication, Assembly, Documentation, Co-ordination, Packaging/ Forwarding and supply of 33 kV and 11kV Switchgear Boards as per SLD complete in all respect as per tender specification and tender drawings.						
1.02	33KV, 400A, 25kA, 1sec., Switch Board Bus-1 & Switch Board Bus-2 (with Bus Coupler) with VCB handling trolley.	Nos	1	9523615	-	-	95,23,615.00
		Rupees Ninety Five Lakh Twenty Three Thousand Six Hundred and Fifteen Only					
1.03	11KV, 400A, 25kA, 1sec., Switch Board Bus-2 & Switch Board Bus-2 (with Bus Coupler) with VCB handling trolley.	Nos	1	13114136	-	-	1,31,14,136.00
		Rupees One Crore Thirty One Lakh Fourteen Thousand and One Hundred and Thirty Six Only					
2.00	Supply of maintenance tools and tackles including on site training and documentation						
2.01	Earthing trucks set. One set consists of earthing trucks for one 400A and other ratings of circuit breakers cubicles for earthing of bus side or feeder side (One each for 11kV and 33kV)	Set	2	381140	-	-	7,62,280.00
		Rupees Three Lakh Eighty One Thousand One Hundred and Forty Only					
2.02	Tools, fixtures etc required for carrying out adjustments to breaker truck so as to ensure proper insertion and withdrawal from the cubicle	Set	1	300000	-	-	3,00,000.00
		Rupees Three Lakh Only					
2.03	Tools and tackles required for making all periodic adjustments at site on circuit breaker operating mechanism	Set	1	31723	-	-	31,723.00
		Rupees Thirty One Thousand Seven Hundred and Twenty Three Only					
3.00	Design, Manufacture/ Fabrication, Assembly, Documentation, Co-ordination, Packaging/ Forwarding and supply of 415V AC PMCC as per SLD complete in all respect as per tender specification and tender drawings.	Nos	1	2780500	-	-	27,80,500.00
		Rupees Twenty Seven Lakh Eighty Thousand Five Hundred and Fifty Only					
4.00	Design, Manufacture/ Fabrication, Assembly, Documentation, Co-ordination, Packaging/ Forwarding and supply of 415V AC PMCC as per SLD complete in all respect as per tender specification and tender drawings.						
	415 V, AC indoor metal clad, air insulated floor mounted type AC distribution board with 415 V, 800 A, 3 phase, 4 wire bus, 10 KA symmetrical fault current consisting of One 800A Switch Fuse unit (SFU) in						

COMANAS
Name of Work: Supply, Installation, testing and commissioning of Indoor 33 /11 KV substation, 415 volts, local distribution with associated cabling works at phase – I area near Swimming pool Kaiga Township.

WO / SOQR Number : 102157

Agency Name : M/s. Shivakumar & Co

Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
Rate in Words							
4.01	Incomer feeder, 1 No. of outgoing feeders with 250A SFU, 2 Nos. of outgoing feeders with 125A SFU, 2 Nos. of outgoing feeders with 63A SFU, 1 No. of outgoing feeders of 63A SFU with 63A receptacle, 2 nos. of outgoing feeders with 16A SFU, 1 nos of outgoing feeder with 16A SFU with 15A receptacle, 1no. of outgoing with 6A SFU; ACDB-1 (415V/ ACDB in New Substation building).	Nos	1	310000	-	-	3,10,000.00
							Rupees Three Lakh Ten Thousand Only
4.02	415 V, AC indoor metal clad, air insulated floor mounted type AC distribution board with 415 V, 630 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current consisting of One 630A Switch Fuse unit (SFU) in incomer feeder, 4 Nos. of outgoing feeders with 200A SFU, 4 Nos. of outgoing feeders with 125A SFU, 2 Nos. of outgoing feeders with 63A SFU; ACDB-2 (415V DG Distribution Board in existing first floor of 33KV control panel room).	Nos	1	315000	-	-	3,15,000.00
							Rupees Three Lakh Fifteen Thousand Only
4.03	Power Distribution Board (PDB) for Space Heaters and Ventilation, 415V, metal clad, AC indoor type Power Distribution Board with 415V, 125A, 3 phase, 4 wire, 10kA symmetrical fault current capability bus (I/C-125A switch fuse as incomer, 3 Ckt out going with (type Y Feeders) of 32 A 240 V 2 pole MFCBs (9 kA), 3 Ckt out going with (type Y Feeders) of 16 A 240 V 2 pole MFCBs (9 kA), 3 Ckt out going with (type Y Feeders) of 32 A 240 V 2 pole MCBs (9 kA) and 11 Ckt out going with (type Y Feeders) of 16 A 240 V 2 pole MCBs (9 kA).	Nos	1	58397	-	-	58,397.00
							Rupees Fifty Eight Thousand Three Hundreds Ninety Seven Only
6.00	Design, Manufacture/ Fabrication, Assembly, Documentation, Co-ordination, Packaging/ Forwarding and supply of Rectifiers/ Chargers including all accessories, DC CT and dropper diode (as applicable) conforming to requirement of tender specification and tender drawings.	Nos	1	725827	-	-	7,25,827.00
							Rupees Seven Lakh Twenty Five Thousand Eight Hundreds Twenty Seven Only
7.00	Design, Manufacture/ Fabrication, Assembly, Documentation, Co-ordination, Packaging/ Forwarding and supply of DC Distribution boards 48V DCDB-1 including all accessories, conforming to tender specification and tender drawings	Nos	1	358230	-	-	3,58,230.00
							Rupees Three Lakh Fifty Eight Thousand Two Hundreds Thirty Only
8.00	Design, Manufacture/ Fabrication, Assembly, Documentation, Co-ordination, Packaging/ Forwarding and supply of Battery Bank including all accessories, conforming to requirement of tender specification and tender drawings	Set	1	630000	-	-	6,30,000.00
							Rupees Six Lakh Thirty Thousand Only
8.01	48 V DC lead acid Control Battery of minimum C10 rating 1000 Ah VRLA type along with steel cabinet, inter-cell, inter-cabinet, end take off connections etc. for supplementary control center supplies.						-
9.00	Supply, packaging/ forwarding, safe delivery at site of following tested HV power cables with relevant factory test reports as per tender specification.						-
9.01	33kV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables. Size 3 core x 150sqmm.	Mtrs	3100	2235	-	-	69,28,500.00
							Rupees Two Thousand Two Hundreds Thirty Five Only
9.02	11kV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables						-
9.03	3 core x 240 sqmm.	Mtrs	100	1924	-	-	1,92,400.00
							Rupees One Thousand Nine Hundreds Twenty Four Only
		Mtrs	2950	1581	-	-	46,63,950.00

CoManas Name of Work: Supply, installation, testing and commissioning of indoor 33/11 KV substation, 415 volts, local distribution with associated cabling works at phase - I area near Swimming pool Kaiga Township..

WO / SOQR Number : 102157

Agency Name : M/s. Shivakumar & Co

Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
Rate in Words							
9.04	3 core x 185sqmm.	Rupees One Thousand Five Hundreds Eighty One Only					
10.00	Supply packaging/ forwarding, safe delivery at site of following tested LT power cables 1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC cables AND 1100V grade, Aluminium conductor, XLPE insulated, Armoured, FRLS PVC cables with relevant factory test reports as per tender specification and drawings						
10.01	2 Core x 35 sq. mm (Copper)	Mtrs	250	1111	-	-	2,77,750.00
10.02	2 Core x 16 sq. mm (Copper)	Mtrs	200	503	-	-	1,00,600.00
10.03	2 Core x 10 sq. mm (Copper)	Mtrs	50	369	-	-	18,450.00
10.04	4 Core x 120 sq. mm (Aluminium)	Mtrs	100	823	-	-	82,300.00
10.05	3.5 Core x 500 sq. mm (Aluminium)	Mtrs	4500	3051	-	-	1,37,29,500.00
10.06	3.5 Core x 300 sq. mm (Aluminium)	Mtrs	100	1701	-	-	1,70,100.00
10.07	3.5 Core x 240 sq. mm (Aluminium)	Mtrs	100	1439	-	-	1,43,900.00
10.08	3.5 Core x 185 sq. mm (Aluminium)	Mtrs	630	1111	-	-	6,99,930.00
10.09	3.5 Core x 70 sq. mm (Aluminium)	Mtrs	50	487	-	-	24,350.00
10.10	3.5 Core x 25 sq. mm (Aluminium)	Mtrs	60	140	-	-	8,400.00
10.11	4 Core x 16 sq. mm (Aluminium)	Mtrs	250	184	-	-	46,000.00

Signature
20/06/25

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Name of Work: Supply, Installation, testing and commissioning of Indoor 33/11 KV substation, 415 volts, local distribution with associated cabling works at
phase - I area near Swimming pool Kaiga Township.

WO / SOQR Number : 102157

Agency Name : M/s. Shivakumar & Co

Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
		Rate in Words					
		Rupees One Hundreds Eighty Four Only					
10.12	1 Core x 630 sq. mm (Aluminium)	Mtrs	50	1129	-	-	56,450.00
		Rupees One Thousand One Hundreds Twenty Nine Only					
10.13	1 Core x 240 sq. mm (Aluminium)	Mtrs	60	483	-	-	28,980.00
		Rupees Four Hundreds Eighty Three Only					
11.00	Supply, packaging/ forwarding, safe delivery at site of 1100V grade, copper, PVC insulated, Armoured, overall screened, FRLS PVC sheathed Control cables of following sizes with relevant factory test reports as per tender specification and drawings			-	-	-	-
11.01	7 Core x 2.5 Sq. mm (Stranded conductor)	Mtrs	1400	500	-	-	7,00,000.00
		Rupees Five Hundreds Only					
11.02	4 Core x 2.5 Sq. mm (Stranded conductor)	Mtrs	600	311	-	-	1,86,600.00
		Rupees Three Hundreds Eleven Only					
12.00	LIGHTING SYSTEM			-	-	-	-
12.01	Supply of 4 way TPN ready to use DBs - 63A, Insulated phase bus-bars Neutral bars with shrouds earth bars sticking saddles cement spill protector color-coded interconnecting wire set cable ties blanking plates and circuit identification labels with 63 amps MCB as incomer, 12Nos single pole 20 amps as outgoing. The DB shall be in CRCA sheet steel, RAL 9003, powder coated, with provision for FP MCB/Isolator/RCCB/RD as incomer and SP MCBs as outgoing. IP 43 - Metal Door, L&T MADEL No. L&T DBTPE004SD. The cost of DB is including all above RATED MCB. (One for lighting and One for power DB)	Nos	2	11393	-	-	22,786.00
		Rupees Eleven Thousand Three Hundreds Ninety Three Only					
12.02	Supply of 20/25mm OD PVC conduits: The item sample shall be shown to engineer in-charge and get approved before bulk. The PVC conduit shall Precession/Preslo plast or equivalent ISI approved make. PERL 25MS	Mtrs	350	30	-	-	10,500.00
		Rupees Thirty Only					
12.03	Supply of 2.5 sqmm Wire of PVC insulated 650 / 1100V grade, copper conductor, multi stranded wire of make Finolex / V-guard / PREMIER / NICCO / SIRCO / HAVELLS / POLYCAB conforming to latest IS: 694. The colour code of wires for phase shall be red and black for neutral. The earth wire shall be of green colour.	Mtrs	600	76	-	-	45,600.00
		Rupees Seventy Six Only					
12.04	Supply of 1.5 sqmm Wire of PVC insulated 650 / 1100V grade, copper conductor, multi stranded wire of make Finolex / V-guard / PREMIER / NICCO / SIRCO / HAVELLS / POLYCAB conforming to latest IS: 694. The colour code of wires for phase shall be red and black for neutral. The earth wire shall be of green colour.	Mtrs	1200	46	-	-	55,200.00
		Rupees Forty Six Only					
12.05	Supply of surface mounting GI/PVC 6 Way Gang Box with mounting cover plate, 4 Nos, 6 amps switches, one 5pin 6 amps sockets. Make:Anchor or equivalent make CPL/Great white.	Nos.	10	280	-	-	2,800.00
		Rupees Two Hundreds Eighty Only					

CoManas Name of Work: Supply, installation, testing and commissioning of indoor 33/11 KV substation, 415 volts, local distribution with associated cabling works at phase - I area near Swimming pool Kalga Township.. Agency Name : M/s. Shivakumar & Co
WO / SOQR Number : 102157

Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
Rate in Words							
12.06	Supply of 1x22/20 watts, LED T8 tube Lights (6500K / 4000K / 3000K), Batten Type, LED fixtures including all accessories like morning holder/clamps etc. The fixture shall be of SYSKA make Model Part Number SSK-SQ2201(1x22W) or equivalent model of Wipro/Philips/Crompton Greaves make with the approval of EIC.	Nos.	30	1514	-	-	45,420.00
			Rupees One Thousand Five Hundreds Fourteen Only				
12.07	Supply of Philips/Crompton/Bajaj/Syska make battery back up emergency light suitable for wall mounting.	Nos.	6	292	-	-	1,752.00
			Rupees Two Hundreds Ninety Two Only				
12.08	Supply of COMBINED UNIT, 240V~ 50Hz, 20A/10A, Capton 5-In-1, With Box 4 Fixing Holes. ANCHOR PENTA 14620 or Equivalent	Nos.	15	358	-	-	5,370.00
			Rupees Three Hundreds Fifty Eight Only				
12.09	Supply of ceiling fan 1200 mm. sweep, 300-375 rpm, brown colour, Usha / Crompton Greaves Bajaj OR equivalent model in Bajaj / Khetan with down rod & its accessories and fan regulators 5Star rated	Nos.	25	3805	-	-	95,125.00
			Rupees Three Thousand Eight Hundreds Five Only				
12.10	Supply of Exhaust fan 300 mm dia/ sweep industrial type, 75w, 230 V, 1 Ph, 50 Hz, AC, with its accessories. Make shall BIS approved Usha / Bajaj / Almarad / hvels/crompton All as instructed by the engineer in-charge and technical specification.	Nos.	10	9020	-	-	90,200.00
			Rupees Nine Thousand Twenty Only				
12.11	Supply of 9 mtrs height Octagonal GI Street lighting Poles as per specification. Make shall be Bajaj/Crompton.	Nos.	10	13344	-	-	1,33,440.00
			Rupees Thirteen Thousand Three Hundreds Forty Four Only				
12.12	Supply of Philips/Crompton/Bajaj/Syska/Havells make 90 watts LED street lighting fixtures	Nos.	10	14108	-	-	1,41,080.00
			Rupees Fourteen Thousand One Hundreds Eight Only				
12.13	Supply of Philips/Crompton/Bajaj/Syska/Havells make 50 watts LED outdoor led street light fixtures.	Nos.	10	8779	-	-	87,790.00
			Rupees Eight Thousand Seven Hundreds Seventy Nine Only				
13.00	Supply of RACHEM make heat shrinkable type cable END termination / Straight Through kits for 33KV HT cables						-
13.01	Indoor END Termination kit for 33KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 150sqmm. EPKT 6113	Nos.	4	47788	-	-	1,91,152.00
			Rupees Forty Seven Thousand Seven Hundreds Eighty Eight Only				
13.02	OUTDOOR END Termination kit for 33KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 150sqmm. EPKT 6364	Nos.	2	60758	-	-	1,21,516.00
			Rupees Sixty Thousand Seven Hundreds Fifty Eight Only				
13.03	Straight Through termination kit for 33KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 150sqmm. EPKJ 6116	Nos.	6	51010	-	-	3,06,060.00
			Rupees Fifty One Thousand Ten Only				
14.00	Supply of RACHEM make heat shrinkable type cable END termination kits for 11KV HT cables						-

Signature



Name of Work: Supply, Installation, testing and commissioning of indoor 33 /11 KV substation, 415 volts, local distribution with associated cabling works at phase – I area near Swimming pool Kaiga Township..

WO / SOQR Number : 102157

Agency Name : M/s. Shivakumar & Co

Item No	Description	Unit	Quantity	Rate in □	Rebate in %	Rebated Rate	Amount in □
		Rate in Words					
14.01	Indoor END Termination kit for 11kV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 240 sqmm. EPKT 3121	Nos.	4	8601	-	-	34,404.00
			Rupees Eight Thousand Six Hundreds One Only				
14.02	Indoor END Termination kit for 11kV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 185sqmm. EPKT 3111	Nos.	5	8222	-	-	41,110.00
			Rupees Eight Thousand Two Hundreds Twenty Two Only				
14.03	Outdoor END Termination kit for 11kV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 185sqmm. EPKT 3362	Nos.	3	11831	-	-	35,493.00
			Rupees Eleven Thousand Eight Hundreds Thirty One Only				
14.04	Staright Through termination kit for 11kV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 185sqmm. EPKJ 3117	Nos.	3	29635	-	-	88,905.00
			Rupees Twenty Nine Thousand Six Hundreds Thirty Five Only				
15.00	Supply of RACHEM make heat shrinkable staright through termination kits for 1100V LT cables			-	-	-	-
15.01	Staright Through termination kit for 1100 V, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3.5 core x 500sqmm. EPKJ 3117	Nos.	9	18848	-	-	1,69,632.00
			Rupees Eighteen Thousand Eight Hundreds Forty Eight Only				
16.00	Supply of GI HT / LT Cable Route Marker, Cable Route MarkerMS Cast Iron Round Die Cast 4" Round Plate 2mm thickness MS angle of 2.5 feet, powder coated yellow colour Very Clear fonts and clean moulding. Can be used in concrete	Nos.	100	516	-	-	51,600.00
			Rupees Five Hundreds Sixteen Only				
17.00	Supply of solid type without cover, 90mm wide, 20mm height, 2mm thick GI light channels for routing cables from cable trays or Distribution Boards or Junction Boxes to various field equipment or between equipment.	Mtrs	100	296	-	-	29,600.00
			Rupees Two Hundreds Ninety Six Only				
18.00	EARTHING SYSTEM			-	-	-	-
18.01	Supply of plate type earth pit with 600 X 600 X 6.3mm G.I. plate as per BIS : 3043 and as tender specification	Nos.	30	10625	-	-	3,18,750.00
			Rupees Ten Thousand Six Hundreds Twenty Five Only				
18.02	Supply of GI flat of 25 x 3mm size Hot dip galvanized iron flat, 25 x 3 mm size, Industrial grade, suitable for Equipment earthing conforming to IS-4759- 2629. The zinc coating shall be 60-80 microns.	Mtrs	100	114	-	-	11,400.00
			Rupees One Hundreds Fourteen Only				
18.03	Supply of GI flat of 50 x 6mm size Hot dip galvanized iron flat, 50 x 6 mm size, Industrial grade, suitable for Equipment earthing conforming to IS-4759- 2629. The zinc coating shall be 60-80 microns.	Mtrs	200	435	-	-	87,000.00
			Rupees Four Hundreds Thirty Five Only				
57.00	SPECIAL TOOLS AND TACKLES			-	-	-	-
57.01	Portable mobile trollies for ACB handling (Suitable for all 3 breaker ratings)	Nos	1	27747	-	-	27,747.00

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CoManas Name of Work: Supply, installation, testing and commissioning of indoor 33/11 KV substation, 415 volts, local distribution with associated cabling works at phase - I area near Swimming pool Kaiga Township..

WO / SOQR Number : 102157

Agency Name : M/s. Shivakumar & Co

Item No	Description	Unit	Quantity	Rate in ☐	Rebate In %	Rebated Rate	Amount in ☐
		Rate in Words					
58.00	ESSENTIAL / MANDATORY SPARES for 48V BATTERY	Rupees Twenty Seven Thousand Seven Hundreds Forty Seven Only					
58.01	Spare cells	Nos.	1	31553	-	-	31,553.00
		Rupees Thirty One Thousand Five Hundreds Fifty Three Only					
58.02	Inter-cell connectors (One of each type)	Set	1	527.5	-	-	527.50
		Rupees Five Hundreds Twenty Seven and Fifty Paise Only					
58.03	Set of Nuts, bolts, washers, etc.(One of each type)	Set	20	59	-	-	1,180.00
		Rupees Fifty Nine Only					
58.04	Set of One No. of End take off connector assembly without mounting stand	Set	1	26789	-	-	26,789.00
		Rupees Twenty Six Thousand Seven Hundreds Eighty Nine Only					
59.00	ESSENTIAL / MANDATORY SPARES for 48V DCDB-1						
59.01	32/25A/16A switch fuse unit for DC application (2 of Each type)	Nos	3	3596	-	-	10,788.00
		Rupees Three Thousand Five Hundreds Ninety Six Only					
59.02	400A switch fuse unit	Nos	1	3596	-	-	3,596.00
		Rupees Three Thousand Five Hundreds Ninety Six Only					
59.03	250A switch fuse unit	Nos	1	3596	-	-	3,596.00
		Rupees Three Thousand Five Hundreds Ninety Six Only					
59.04	Voltmeter for DC application as per 48V DC SLD	Nos	1	896	-	-	896.00
		Rupees Eight Hundreds Ninety Six Only					
59.05	Set of Ammeter with shunt of required rating (1 of each type) for 48 V DCDB	Set	1	896	-	-	896.00
		Rupees Eight Hundreds Ninety Six Only					
59.06	Under-voltage relay for 48V DCDB	Nos	1	22414	-	-	22,414.00
		Rupees Twenty Two Thousand Four Hundreds Fourteen Only					
59.07	25A/32A/16A HRC fuse (2 of Each type)	Nos	3	3520	-	-	10,560.00

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Name of Work: Supply, installation, testing and commissioning of indoor 33 /11 KV substation, 415 volts, local distribution with associated cabling works at phase – I area near Swimming pool Kaiga Township..

Agency Name : M/s. Shivakumar & Co

Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
Rate in Words							
		Rupees Three Thousand Five Hundreds Twenty Only					
59.08	250A HRC fuse	Nos	1	5509	-	-	5,509.00
Rupees Five Thousand Five Hundreds Nine Only							
59.09	400A HRC fuse	Nos	1	6507	-	-	6,507.00
Rupees Six Thousand Five Hundreds Seven Only							
Schedule : E&US:B							
60.01	Erection / Installation, carrying out pre-commissioning checks, Testing and commissioning etc., complete as per tender specification and drawings			-	-	-	-
60.02	33KV, 11KV SWITCHGEAR Switchgear boards including all components/ accessories/ items / base frames and complete in all respects as per specification and drawings	Nos.	4	17000	-	-	6,80,000.00
Rupees One Lakh Seventy Thousand Only							
62.00	415V PMCC-1	Nos.	1	59877	-	-	59,877.00
Rupees Fifty Nine Thousand Eight Hundreds Seventy Seven Only							
63.00	415V AC DISTRIBUTION BOARD			-	-	-	-
63.01	ACDB-1 (415V ACDB in New Substation building)	Nos.	1	7461	-	-	7,461.00
Rupees Seven Thousand Four Hundreds Sixty One Only							
63.02	ACDB-2 (415V DG Distribution Board) Existing 33KV Control panel room 1st floor	Nos.	1	7461	-	-	7,461.00
Rupees Seven Thousand Four Hundreds Sixty One Only							
64.00	LIGHTING BOARD :Lighting & Emergency lighting Boards			-	-	-	-
64.01	LB-1	Nos.	2	642	-	-	1,284.00
Rupees Six Hundreds Forty Two Only							
65.00	Power distribution board for space heater & ventilation PDB-1	Nos.	1	1871.25	-	-	1,871.25
Rupees One Thousand Eight Hundreds Seventy One and Twenty Five Paisa Only							
66.00	DIESEL GENERATOR Installation & Commissioning of DG set including Storage of DG set (if any) at site, Civil work for DG set foundation, external fuel tank and earthing, Installation, First fill of consumables (lube oil, coolant etc. except fuel), Diesel for site testing / commissioning	Nos.	1	560000	-	-	5,60,000.00
Rupees Five Lakh Sixty Thousand Only							
		Nos.	1	10800	-	-	10,800.00

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Comanas		Name of Work: Supply, installation, testing and commissioning of Indoor 33 /11 KV substation, 415 volts, local distribution with associated cabling works at phase - I area near Swimming pool Kaiga Township..				Agency Name : M/s. Shivakumar & Co	
WO / SOQR Number : 102157							
Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
		Rate in Words					
67.00	INSTALLATION OF RECTIFIERS/ CHARGER 48V DC Control Rectifier, RC-1 (19.2 kW)	Rupees Ten Thousand Eight Hundreds Only					
68.00	Installation of DC Distribution boards 48V DCDB-1	Nos.	1	1500	-	-	1,500.00
69.00	48V BATTERY 48 V DC lead acid Control Battery of minimum C10 rating 1000 Ah VRLA type along with steel cabinet, inter-cell, inter-cabinet, end take off connections etc. for supplementary control center supplies.	Banks	1	78052	-	-	78,052.00
70.00	Cable laying	Rupees Seventy Eight Thousand Fifty Two Only					
70.01	Laying of 33KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables. Size 3 core x 150sqmm in the excavated cable trench and trench inside the substation building.	Mtrs.	3080	55	-	-	1,69,400.00
70.02	Laying of 11KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables. Size 3 core x 240 sqmm in the excavated cable trench and trench inside the substation building.	Mtrs.	90	70	-	-	6,300.00
70.03	Laying of 11KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables. Size 3 core x 185 sqmm in the excavated cable trench and trench inside the substation building.	Mtrs.	2945	68	-	-	2,00,260.00
71.00	Laying of 1100V, grade copper /Aluminium cable XLPE insulated, Armoured, FRLS PVC cables. Size of Outer daimeter from 16mm to 25mm OD excavated cable trench , cable trays and trench inside the substation building.	Rupees Sixty Eight Only					
71.01	Laying of cables of outer daimeter from 16mm to 25mm O (2C X 10, 2C X 16, 4C X 16, 2C X 35, 3.5C X 25, 7C X 2.5, 4C X 2.5)	Mtrs.	2740	25	-	-	68,500.00
71.02	3.5 C X 70	Mtrs.	25	33	-	-	825.00
71.03	4C X 120	Mtrs.	100	38	-	-	3,800.00
71.04	3.5C X 185, 3.5C X 240	Mtrs.	730	55	-	-	40,150.00
71.05	3.5C X 300	Mtrs.	100	69	-	-	6,900.00
		Mtrs.	4500	85	-	-	3,82,500.00

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Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
Rate in Words							
71.06	3.5C X 500	Rupees Eighty Five Only					
72.00	Earth work Excavation in all sorts of soil for cable Trenches of various size of 1050mm, 1430mm & 600mm wide X 1100mm Deep for laying electrical cables of various sizes Cutting / removing & clearance of jungle, bushes, grass & all other unwanted plants / creepers, shoring, strutting, bailing out water (if necessary), preparation of base, refilling the sides of the foundation with excavated available good quality soil, leveling / dressing & hand ramming with proper watering, providing, fixing & removing necessary staging / platform (if required), cleaning the work area, collecting & stacking the generated waste, dead debris & surplus soil up to a lead of 2000 meters from the place of work etc. complete all as per standard technical specifications and as directed by the Engineer-in-charge at all location & all lifts.	Cu.mtr	2300	580	-	-	13,34,000.00
		Rupees Five Hundreds Eighty Only					
73.00	Supply and spreading of river sand for laying of cables in trench. Sand shall be spread 100mm below and 100mm above the cable during laying of cables through out the length of cable inside the excavated trench. The qty required per 20 mtrs length of cable laying of 100 mm dia cable is considered as 0.4 Cub Mtrs.	Cu.mtr	252	1200	-	-	3,02,400.00
		Rupees One Thousand Two Hundreds Only					
74.00	Supply, Transportation and laying of Bricks in excavated cable trench during laying of cables through out the length of cable inside the excavated trench. The bricks to be laid on both side of the cable along the length of cables.	Nos.	47000	18	-	-	8,46,000.00
		Rupees Eighteen Only					
75.00	Supply, Transportation and laying of PCC Slab of size 200mmW X 500 mm L X 50mm T above the cable during laying of cables through out the length of cable inside the excavated trench. The scope includes loading, unloading, shifting of slabs.	Nos.	17500	299	-	-	52,32,500.00
		Rupees Two Hundreds Ninety Nine Only					
76.00	Glanding and termination of following size aluminium conductor, PVC sheathed, XLPE insulated armoured power cables including supply of suitable gland & lugs with other consumables.						
76.01	1 Core x 630 sq. mm (OD 44mm) DBW -09 (Aluminium)	Nos.	4	4284	-	-	17,136.00
		Rupees Four Thousand Two Hundreds Eighty Four Only					
76.02	3.5 Core x 500 sq. mm (OD 79mm) DBW - 014 (Aluminium)	Nos.	6	11067	-	-	66,402.00
		Rupees Eleven Thousand Sixty Seven Only					
76.03	3.5 Core x 300 sq. mm (OD 58mm) DBW - 011 (Aluminium)	Nos.	1	6487	-	-	6,487.00
		Rupees Six Thousand Four Hundreds Eighty Seven Only					
76.04	3.5 Core x 240 sq. mm (OD 76mm) DBW - 013 (Aluminium)	Nos.	2	9164	-	-	18,328.00
		Rupees Nine Thousand One Hundreds Sixty Four Only					
76.05	1 Core x 240 sq. mm (OD 29mm) DBW - 05 (Aluminium)	Nos.	4	1931	-	-	7,724.00
		Rupees One Thousand Nine Hundreds Thirty One Only					
76.06	3.5 Core x 185 sq. mm (OD 51mm) DBW-10 (Aluminium)	Nos.	12	4076	-	-	48,912.00

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WO / SOQR Number : 102157							
Item No	Description	Unit	Quantity	Rate in ☐	Rebate In %	Rebated Rate	Amount in ☐
Rate in Words							
		Rupees Four Thousand Seventy Six Only					
76.07	4 Core x 120 sq. mm (OD 41mm) DBW -09 (Aluminium)	Nos.	2	3359	-	-	6,718.00
		Rupees Three Thousand Three Hundreds Fifty Nine Only					
76.08	3.5 Core x 70 sq. mm (OD 44mm) DBW - 09 (Aluminium)	Nos.	2	3270	-	-	6,540.00
		Rupees Three Thousand Two Hundreds Seventy Only					
76.09	2 Core x 35 sq. mm (OD 22mm) DBW - 03 (Copper)	Nos.	10	1035	-	-	10,350.00
		Rupees One Thousand Thirty Five Only					
76.10	3.5 Core x 25 sq. mm (OD 23mm) DBW -04 (Aluminium)	Nos.	4	1160	-	-	4,640.00
		Rupees One Thousand One Hundreds Sixty Only					
76.11	4 Core x 16 sq. mm (OD 23mm) (Aluminium)	Nos.	18	1200	-	-	21,600.00
		Rupees One Thousand Two Hundreds Only					
76.12	2 Core x 16 sq. mm (OD 18mm) DBW - 01A (Copper)	Nos.	8	799	-	-	6,392.00
		Rupees Seven Hundreds Ninety Nine Only					
76.13	2 Core x 10 sq. mm (OD 18mm) DBW -01A (Copper)	Nos.	2	795	-	-	1,590.00
		Rupees Seven Hundreds Ninety Five Only					
76.14	7 Core x 2.5 Sq. mm (Stranded conductor) (OD 15mm) DBW-01S (Copper)	Nos.	48	620	-	-	29,760.00
		Rupees Six Hundreds Twenty Only					
76.15	4 Core x 2.5 Sq. mm (Stranded conductor) (OD 16.4mm) DBW-01S (Copper)	Nos.	18	590	-	-	10,620.00
		Rupees Five Hundreds Ninety Only					
77.00	Installation of heat shrinkable out door/indoor type HT straight through joint and end termination kit for 3C x 150sq.mm aluminium conductor XLPE insulated 33KV grade (E) armoured cable. The joint shall be made by engaging skilled, qualified cable joiner as per specification. The scope of work also includes joint preparation, connection, termination, commissioning of joint as per specifications. The shifting of kits to locations is in the scope of contractor.						-
77.01	Straight through joints.	Nos.	6	8000	-	-	48,000.00
		Rupees Eight Thousand Only					
77.02	End termination. (Indoor & Outdoor)	Nos.	6	6800	-	-	40,800.00



Name of Work: Supply, installation, testing and commissioning of indoor 33 /11 KV substation, 415 volts, local distribution with associated cabling works at phase – I area near Swimming pool Kaiga Township..

Agency Name : M/s. Shivakumar & Co

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Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
		Rate in Words					
		Rupees Six Thousand Eight Hundreds Only					
78.00	Installation of heat shrinkable out door/indoor type HT straight through joint and end termination kit for 3C x 150sq.mmm/240sq.mmm aluminium conductor XLPE insulated 11KV grade (E) armoured cable. The joint shall be made by engaging skilled, qualified cable joiner as per specification. The scope of work also includes joint preparation, connection, termination, commissioning of joint as per specifications. The shifting of kits to locations is in the scope of contractor.			-	-	-	-
78.01	Indoor END Termination kit for 11KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 240 sqmm. IXSW 3362	Nos.	4	6500	-	-	26,000.00
		Rupees Six Thousand Five Hundreds Only					
78.02	Indoor END Termination kit for 11KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 185sqmm. IXSW 3352	Nos.	5	6500	-	-	32,500.00
		Rupees Six Thousand Five Hundreds Only					
78.03	Outdoor END Termination kit for 11KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 185sqmm. IXSW 3352	Nos.	3	6500	-	-	19,500.00
		Rupees Six Thousand Five Hundreds Only					
78.04	Staright Through termination kit for 11KV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables size 3 core x 185sqmm. EPKJ 3117	Nos.	3	7600	-	-	22,800.00
		Rupees Seven Thousand Six Hundreds Only					
79.00	Providing heat shrinkable out door/indoor type LT straight through joint termination kit for 3.5C x 500sq.mmm aluminium conductor XLPE insulated 1100V grade (E) armoured cable. The joint shall be made by engaging skilled, qualified cable joiner as per specification. The scope of work also includes joint preparation, connection, termination, commissioning of joint as per specifications.			-	-	-	-
79.01	Straight through joints.	Nos.	9	6500	-	-	58,500.00
		Rupees Six Thousand Five Hundreds Only					
80.00	MISCELLANEOUS ITEMS AND INSTALLATION WORKS			-	-	-	-
80.01	Supply, fabrication and installation of various steel sections (M S steel like ISA /ISM/ ISMB/ Chequered plate) for erection of the HT & LT panels and DP structures to suit the site requirement	MT	6	128500	-	-	7,71,000.00
		Rupees One Lakh Twenty Eight Thousand Five Hundreds Only					
81.00	Installation of GI HT / LT Cable Route Marker	Nos.	200	250	-	-	50,000.00
		Rupees Two Hundreds Fifty Only					
82.00	Installation of following medium duty GI pipes for routing cables (from cable trays/ panels/ DBs/ JBs to various field equipment or between equipment as directed by Engineer-in-charge), including supply and installation of clamps/ fasteners/ supports, accessories like bends/ couplers, along with cutting, threading etc. Note: Payment for installation of GI pipe provided for cabling shall be based on measurement along the Centre line of pipe including accessories.			-	-	-	-

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Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
		Rate in Words					
82.01	100mm Dia	Mtrs.	150	100	-	-	15,000.00
				Rupees One Hundreds Only			
82.02	65mm Dia	Mtrs.	100	60	-	-	6,000.00
				Rupees Sixty Only			
82.03	40mm Dia	Mtrs.	50	40	-	-	2,000.00
				Rupees Forty Only			
82.04	32mm Dia	Mtrs.	50	40	-	-	2,000.00
				Rupees Forty Only			
83.00	Installation of solid type 90mm wide GI light channels for routing cables (from cable trays/ panels/ DBs/ JB's to various field equipment or between equipment as directed by Engineer-in-charge), including supply and installation of clamps/ fasteners/ supports, along with bending, cutting, shaping etc. Note: Payment for installation of GI light channels provided for cabling shall be based on measurement along the Centre line including accessories.	Mtrs.	200	113	-	-	22,600.00
				Rupees One Hundreds Thirteen Only			
84.00	Installation of 300/600 MM Width cable tray on wall / column /floor with 12 mm dia hilti/dowels make anchor fastener as per field requirement. The required steel support fabrication is covered under item 11.0 Part-B.	Mtrs.	200	148	-	-	29,600.00
				Rupees One Hundreds Forty Eight Only			
85.00	Laying and dressing of following types of power and control cables in cable trays in buildings/ tunnels/ roofs/ trenches, GI pipes/ conduits, under ground GI pipes/ hume pipes or directly buried in ground etc., including supply & installation of cable identification tags, its binding wires, cable dressing wires/ aluminium strips, trefoiled clamps, hardwares for clamping/ fixing etc., as specified along with necessary joint/route markers, where ever required.						
85.01	33kV, Aluminium, XLPE insulated, Armoured, FRLS PVC - cables 3 core x 150sqmm.	Mtrs.	150	100	-	-	15,000.00
				Rupees One Hundreds Only			
85.02	11kV, Aluminium, XLPE insulated, Armoured, FRLS PVC cables						
85.03	3 core x 240 sqmm.	Mtrs.	180	108	-	-	19,440.00
				Rupees One Hundreds Eight Only			
85.04	3 core x 185sqmm.	Mtrs.	150	108	-	-	16,200.00
				Rupees One Hundreds Eight Only			
85.05	1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC cables						
		Mtrs.	150	40	-	-	6,000.00



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Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
		Rate in Words					
85.06	2 Core x 35 sq. mm			Rupees Forty Only			
		Mtrs.	200	28	-	-	5,600.00
85.07	2 Core x 16 sq. mm			Rupees Twenty Eight Only			
		Mtrs.	150	30	-	-	4,500.00
85.08	2 Core x 10 sq. mm			Rupees Thirty Only			
85.09	1100V grade, Aluminium conductor, XLPE insulated, Armoured, FRLS PVC cables				-	-	-
85.10	4 Core x 120 sq. mm			Rupees One Hundreds Eight Only			
		Mtrs.	100	108	-	-	10,800.00
85.11	3.5 Core x 500 sq. mm			Rupees One Hundreds Ten Only			
		Mtrs.	450	110	-	-	49,500.00
85.12	3.5 Core x 300 sq. mm			Rupees One Hundreds Fifteen Only			
		Mtrs.	150	115	-	-	17,250.00
85.13	3.5 Core x 240 sq. mm			Rupees One Hundreds Only			
		Mtrs.	150	100	-	-	15,000.00
85.14	3.5 Core x 185 sq. mm			Rupees One Hundreds Only			
		Mtrs.	100	100	-	-	10,000.00
85.15	3.5 Core x 70 sq. mm			Rupees Eighty Nine Only			
		Mtrs.	100	89	-	-	8,900.00
85.16	3.5 Core x 25 sq. mm			Rupees Sixty Only			
		Mtrs.	200	60	-	-	12,000.00
85.17	3.5 Core x 16 sq. mm			Rupees Thirty Seven Only			
		Mtrs.	110	37	-	-	4,070.00
85.18	1 Core x 630 sq. mm			Rupees Seventy Five Only			
		Mtrs.	50	75	-	-	3,750.00
		Mtrs.	60	60	-	-	3,600.00

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CoManas		Name of Work: Supply, installation, testing and commissioning of indoor 33 /11 KV substation, 415 volts, local distribution with associated cabling works at phase – I area near Swimming pool Kaiga Township..				Agency Name : M/s. Shivakumar & Co	
WO / SOQR Number : 102157							
Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
Rate in Words							
85.19	1 Core x 240 sq. mm				Rupees Sixty Only		
86.00	Electrical System control cables:1100V grade: copper, PVC insulated, Armoured, overall screened, FRLS PVC sheathed cables of following sizes:-				-	-	-
86.01	4 Core x 2.5 Sq. mm (Stranded conductor)	Mtrs.	1000	32	-	-	32,000.00
					Rupees Thirty Two Only		
86.02	7 Core x 2.5 Sq. mm (Stranded conductor)	Mtrs.	550	35	-	-	19,250.00
					Rupees Thirty Five Only		
87.00	LIGHTING SYSTEM				-	-	-
87.01	Installation of 4 way MCB board supplied against item No: 12.1 on wall/column with 12mm dia anchor fasteners inside the new 33KV substation control room	Nos.	2	445	-	-	890.00
					Rupees Four Hundreds Forty Five Only		
87.02	Installation of 25 mm conduit supplied against item No: 12.2 on wall/column Installation of 25mm PVC conduit with rawl plug and wood screw on wall / ceiling at an interval of not more than 600mm.	Mtrs.	500	60	-	-	30,000.00
					Rupees Sixty Only		
87.03	Installation of 2.5 sqmm PVC single core,multy strand wire supplied against item No: 12.3 for all power points and DB to Switch board.	Mtrs.	800	15	-	-	12,000.00
					Rupees Fifteen Only		
87.04	Installation of 1.5 sqmm PVC single core,multy strand Red,yellow, Blue, Black and Green wire supplied against item No: 12.4 for all points	Mtrs.	1500	10	-	-	15,000.00
					Rupees Ten Only		
87.05	Installation of surface mounting GIPVC 6 Way Gang Box with mounting cover plate =, 4 Nos,6 amps switches, one 5pin 6 amps sockets. The box shall be fixed with required screws, sleeves etc on wall/column. supplied against item No: 12.5	Nos.	10	62	-	-	620.00
					Rupees Sixty Two Only		
87.06	Installation of 1x22/20 watt LED T8 Tube lights fixtures including all accessories with all connections made up to connector supplied against item No: 12.6. The fixture is to be installed with two numbers of round/square PVC blocks/Clamps , round ceiling rose with self threaded screws and PVC sleeves on wall/column. All required consumables, round blocks, ceiling rose and connection is in the scope of contractor. All as instructed by the engineer in charge.	Nos.	30	300	-	-	9,000.00
					Rupees Three Hundreds Only		
87.07	Installation of battery back up emergency light supplied against item No: 12.7 on wall / column as directed by Engineer-In-Charge.	Nos.	6	100	-	-	600.00
					Rupees One Hundreds Only		
87.08	Installation of SWITCH SOCKET COMBINED (5 pin), 20A/10A with Box & with all connections supplied against item No: 12.8 Box to be installed with self threaded screws and PVC sleeves on wall/column. All consumables required for completion of job is in the scope of contractor,	Nos.	30	100	-	-	3,000.00
					Rupees One Hundreds Only		



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WO / SOQR Number : 102157

Name of Work: Supply, installation, testing and commissioning of Indoor 33/11 KV substation, 415 volts, local distribution with associated cabling works at phase - I area near Swimming pool Kaiga Township.

Agency Name : M/s. Shivakumar & Co

Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
Rate in Words							
87.09	Installation of ceiling fan 1200 mm. sweep, 300-375 rpm, brown colour, supplied against item No. 12.9	Nos.	25	300	-	-	7,500.00
				Rupees Three Hundreds Only			
87.10	Installation of Exhaust fan 300 mm dia/ sweep, Industrial type supplied against item No. 12.10. Installation work also includes assembling, fixing and making all the connections including earth connection. The 3 core X 0.75 sq.mm copper flexible cable for connection of fans and consumables are in contractors scope.	Nos.	7	320	-	-	2,240.00
				Rupees Three Hundreds Twenty Only			
87.11	Installation of Octagonal GI Street lighting Poles (Up to 9 mtr. Long) by providing required RCC foundation. The foundation shall be by excavating the pit of size 1.0mtr x 1.0mtr x 1.2mtr deep. Foundation base with 100 mm thick PCC 1:3:6 (40 mm down) to be provided. Above the PCC, foundation with RCC 1:2:4, 20 down size to be casted as per drawing. 04Nos foundation bolts are to be embedded in the concrete. 15 mm Plastering in CM 1:5 to be done for pole foundation of size 0.450 mtr X 0.450mtr X 0.300 mtr height above FGL. Shifting of pole and its installation, providing cable entry pipe, plastering work, alignment of poles and all other related work to be carried out by contractor. The rate is inclusive of 3.5C X2.5Sqmm copper flexible cable of length 11mtrs. The tools & tackles, material and manpower required for the above work is to be arranged. All works to be carried out as per drawing, specifications and as instructed by the Engineer-in-charge.	Nos.	15	15264	-	-	2,28,960.00
				Rupees Fifteen Thousand Two Hundreds Sixty Four Only			
87.12	Installation of Philips/Crompton/Bajaj/Syska/Havells make 90 watts LED street lighting fixtures supplied against item No. 12.12.	Nos.	10	387	-	-	3,870.00
				Rupees Three Hundreds Eighty Seven Only			
87.13	Installation of Philips/Crompton/Bajaj/Syska/Havells make 50 watts LED outdoor led street light fixtures supplied against item No. 12.13	Nos.	10	245	-	-	2,450.00
				Rupees Two Hundreds Forty Five Only			
88.00	EARTHING SYSTEM						-
88.01	Installation of plate type earth pit with 600 X 600 X 6.3mm G.I. plate as per BIS : 3043.	Nos.	30	3695	-	-	1,10,850.00
				Rupees Three Thousand Six Hundreds Ninety Five Only			
88.02	Installation of GI flat of 25 x 3mm size supplied against item No. 18. The cost of installation includes cutting of required length. Laying on the wall/beam/on floor. chipping /clamping /welding/lugging of GI flat & connecting the bolt & nut as per the site requirement.	Mtrs.	150	63	-	-	9,450.00
				Rupees Sixty Three Only			
88.03	Installation of GI flat of 50 x 6mm size supplied against item No. 19.0. The cost of installation includes cutting of required length. Laying on the wall/beam/on floor. chipping /clamping /welding/lugging of GI flat & connecting the bolt & nut as per the site requirement.	Mtrs.	200	126	-	-	25,200.00
				Rupees One Hundreds Twenty Six Only			
89.00	Removal of 3.15 MVA, 33KV /11 KV transformer from existing foundation for reinstallation at near by transformer foundation in same transformer centre. The removal of transformer to be carried out at minimum time by providing required skilled manpower, tools tackles etc. The required crane will be provided by NPCIL on free of cost. The scope of work includes removal of cables / ACSR conductors, earthing connection and any other related work as required.	Nos.	2	13204	-	-	26,408.00
				Rupees Thirteen Thousand Two Hundreds Four Only			
	Reinstallation of 3.15 MVA, 33KV /11 KV transformer in new foundation for in transformer centre. The reinstallation of transformer to be carried out at minimum time by providing required skilled manpower, tools						

Shivakumar

Name of Work: Supply, installation, testing and commissioning of indoor 33 /11 KV substation, 415 volts, local distribution with associated cabling works at phase – I area near Swimming pool Kaiga Township..		Agency Name : M/s. Shivakumar & Co					
WO / SOQR Number : 102157							
Item No	Description	Unit	Quantity	Rate in ☐	Rebate in %	Rebated Rate	Amount in ☐
		Rate in Words					
90.00	tackles etc. The required crane will be provided by NPCIL on free of cost. The scope of work includes shifting of transformer from 33 KV substation existing location to new 33 KV substation near swimming pool about max 1 KM distance in same area, welding of base frame on EP provided and all other related work as specification and as directed by Engineer-In-charge.	Nos.	2	15976	-	-	31,952.00
		Rupees Fifteen Thousand Nine Hundreds Seventy Six Only					
91.00	Station transformer in new proposed 33KV substation. Installation of 500KVA, 11KV /415 KV transformer in new foundation for in transformer centre. The installation of transformer to be carried out at minimum time by providing required skilled manpower, tools tackles etc. The required crane will be provided by NPCIL on free of cost. The scope of work includes shifting of transformer from 33 KV substation to new 33 KV substation near swimming pool about max 1 KM distance in same area, welding of base frame on EP provided and all other related work as specification and as directed by Engineer-In-charge.	No.	1	9606	-	-	9,606.00
		Rupees Nine Thousand Six Hundreds Six Only					
92.00	Earthwork Excavation of size 600mm(W)X 800mm(D) in all Sorts of Soil, Soft murrum for foundation of trenches, drains & pipe lines etc. Including dismantling / breaking, the bitumen road; concrete road; pavers etc. at road crossings / drains crossings / walls crossings etc, providing and laying [including proper preparation of base by compacting with watering] RCC hume pipe of 300 mm. dia. [including jointing the joints in CM 1:2 & curing]; refilling the sides of RCC hume pipe [by leaving depth of 200 mm from top of existing road surface] using excavated good quality soil, leveling / dressing & hand ramming with proper watering, laying the PCC 1:3:6 [using 40 mm & downgraded stone aggregates] of depth 200 mm with necessary formwork, collecting & disposing the waste; surplus soil & unwanted materials / things up to a lead of 1000 meters from the place of work etc., complete all as per specification, as per manufactures technical specification and as directed by the engineer-in-charge at all locations and at all lifts. Note : Item No. (SI. No. 5 and SI. No. 19 to SI. No. 56 are DELETED)	Mtrs.	30	3772	-	-	1,13,160.00
		Rupees Three Thousand Seven Hundreds Seventy Two Only					

Note: All Item Rates are considered to be in Indian Rupees unless otherwise explicitly specified and in which case shall be always converted appropriately to arrive at the amount in Indian Rupees.

Work Order Total	Rs. 7,16,51,067.75
Overall Rebate (%)	0
Work Order Value After Overall Rebate in Figure	Rs. 7,16,51,068.00
Work Order Value After Overall Rebate in Words	Rupees Seven Crore Sixteen Lakh Fifty One Thousand Sixty Eight Only

Signature Not Verified

Digitally signed by SHIVKUMAR SONKERE
 Date: 2025.06.21 12:10:00 IST
 Location: eProcurement System for Central PSUs

Shivakumar
 ACE (E145)
 20-6-25

20/06/25
 20/06/25
 Head (CS)