

CHAMUNDESHWARI ELECTRICITY SUPPLY CORPORATION LIMITED
(Government of Karnataka Undertaking)

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Corporate office,
#29, Vijayanagara 2nd Stage,
Hinkal, Mysuru-570017

No: CESC/GM(P)/DGM(P)/AGM(P-1)/2020-21/DWA: 448-449/

9889-92 Date: **4 SEP 2020**

DETAILED WORK AWARD

**M/s Shiva Electricals & Enterprises,
Gattahalli, Kowdle Post, Koppa Hobli,
Maddur Taluk, Mandya-571425.**

BY REGD. POST ACK. DUE

Sir,

Sub: Providing electrical infrastructure to Irrigation Pump Set Installations by extending HT/LT lines & erection of 25KVA Distribution Transformers on **partial turnkey basis** under unit rate contract in **Bannuru Sub Division**.

- Ref: 1) CESC/GM(P)/DGM(P)/AGM(P-1)/2019-20/C2-4683, Date: 20-02-2020
2) Tender No. in e-portal: CESC/2019-20/EL/WORK_INDENT1169
3) Techno-Coml. Bid opened on 12-05-2020 & Price Bid opened on 06-06-2020
4) Negotiation Meeting held on 11-06-2020
5) Note approved by Hon'ble MD vide para(54)/03-07-2020
6) T.O. LOI No:5688-91, Dated: 08-07-2020
7) Contract Agreement dated: 04-07-2020
8) ICIC, Mandya Branch, BG No: 1314NDDG00015421, dated: 07-08-2020, Amount: ₹1395000/-, Validity: 06-11-2021

Please find herewith enclosed Detailed Work Award (DWA) in triplicate for providing electrical infrastructure to Irrigation Pump Set Installations by extending HT/LT lines & erection of 25KVA Distribution Transformers on **partial turnkey basis** in **Bannuru Sub Division**

The Bid document and all amendments issued thereof pertaining to subject enquiry forms the part of this Detailed Work Award.

This Detailed Work Award may please be acknowledged and returned duly affixing your signature and seal of your firm on all pages within 7 days. Please quote the Detailed Work Award number and date in all your future correspondence to this office.

SCOPE OF WORK:

Scope of Work includes:

- i) Construction of HT/LT lines by using Rabbit/Weasel ACSR on 9/8 meter RCC/PSC poles and erection of 25 kVA, Star-1 Transformer on Double Pole Structure as per CESC specification.

- ii) Transformers, Rabbit ACSR, Weasel ACSR, 11 kV, 45 kN Polymeric Dead End Insulators, 11 kV, 5 kN Polymeric Pin Insulators and Lightning Arrestors required for the works shall be collected from the respective divisional stores
- iii) It is the responsibility of the contractor to transport the materials mentioned in (ii) from divisional stores to work spot. No additional cost shall be paid.
- iv) The contractor shall source all the other materials hardware and LT insulators as per IS specification from CESC approved vendors only.
- v) The hardware materials which are not in the schedule (left out materials) but are essential for completion of works are to be supplied by the agency and the rate for the same (supply & erection) will be paid as per quoted tender premium over prevailing Schedule of Rates, as per the Price Schedule
- vi) Work awards shall be issued for first pending applications/as and when the applications are registered on seniority basis
- vii) The Executive Engineer (Elec.), O & M Division shall approve and issue Work Awards for individual works on seniority basis, by giving 45 days completion period per award/work.
- viii) Each work award may consist of either HT & DTC or DTC & LT or only LT or inclusive of all.
- ix) A maximum of twenty five awards shall be issued at a time and materials as mentioned in (ii) above shall be issued for only those works. After the completion of at least twenty works and submission of Completion Reports, then only fresh awards shall be issued by the concerned Executive Engineer (Ele).
- x) The concerned divisional Executive Engineer (Ele) shall ensure that at any point of time, the maximum number of works in hand with the contractor shall not exceed twenty five numbers.
- xi) The concerned divisional Executive Engineer (Ele) shall ensure that the high cost materials such as transformers/ACSR shall be issued to the contractor on seniority basis in the view of completing the works in a phased manner and also to avoid misuse of materials.

PART-1: SUPPLY PORTION

Detailed Work Award No: **CESC/GM(P)/DGM(P)/AGM(P-1)/2020-21/DWA: 448** for supply portion for Providing electrical infrastructure to Irrigation Pump Set Installations by extending HT/LT lines & erection of 25KVA Distribution Transformers on **partial turnkey basis in Bannuru Sub Division.**

1. **Price Schedules:** Quoted price of individual materials required for the scope of work is here with given in the tables below.
2. **Work Awarding Officer:**
The work awarding officer is the Executive Engineer (Elec.) of the concerned O & M Division will operate the rate contract. He shall approve and issue the work orders for individual works based on available budget as per prevailing rules. Minimum of thirty days and maximum of forty five days shall be given to complete each work award depending up on the volume of work involved.
3. **Completion period:**
The work shall be completed in all respect within **One Year from the date of this DWA.** However, early completion of works is preferred. The completion period may be

extendable for further one year on mutual consent as per clause 13.0 of GCC. However, extension of completion period is completely at the discretion of CESC.

4. Prices:

The prices are firm throughout the Period of Contract. No price variation is allowed.

5. Liquidated Damages:

If the extension is due to delay from the contractor side, the proposal with reason for delay and audited calculation for claiming liquidated damages shall be submitted thro' proper channel to this office by the Executive Engineer(Elec.,) of the O&M Division as per clause 14.1 of GCC & clause 13.0 of SCC. As per clause 14.1 of GCC, if the Contractor fails to complete Commissioning within the time fixed under the Contract, the Contractor shall pay to the Owner as Liquidated Damages and not as Penalty, a Sum specified for each specified period of Delay. The details of such Liquidated Damages are brought out in the accompanying Special Conditions of Contract (SCC). Equipment and Materials will be deemed to have been delivered only when all its Components, Parts are also delivered. If certain Components are not delivered in time, the Equipment and Materials will be considered as delayed until such time the missing Parts are also delivered. The total amount of Liquidated Damages for delay under the Contract will be subject to a maximum 10% of the Contract Price.

6. Taxes and Duties:

The amount of award is inclusive of all applicable taxes, duties, works, contract tax, freight & insurance or levies that are applicable in respect of transaction between the firm and CESC. Service Tax/GST as applicable shall be borne by the contractor. Which is not included in the Bid, shall be to Firm account and CESC shall have no liability whatsoever in this regard.

7. Completeness:

All the necessary equipment and materials that are required for the work even though they have not been mentioned in the scope of work & specifications but are necessary for successful completion of work is deemed to be included in the scope of work & specification and bidder shall supply those materials and undertake erection also. However if essential material required other than indicated in Bill of material for successful completion of work, such material cost will be paid as per the quoted percentage on prevailing SR which will be considered at the time of awarding of work as per GCC(2.6).

8. Payment:

The terms of Payments shall be as below;

- (1) **Ninety percent (90%)** of the total cost of each work award including supply of materials, erection, test & commissioning of the equipment/materials along with 100% taxes & duties, Freight & Insurance charges as mentioned in the award against completion of each work award issued by the concerned division will be paid subject to furnishing the following:
 - i. Material purchase Invoice in duplicate.
 - ii. Material inspection/test certificates issued by the TA&QC.
 - iii. Physical inspection/verification of materials utilized for works at site with certification by Engineer in charge of work.
 - iv. Joint inventory from Agency and AEE (Elec), O&M of concerned sub-division.

- v. Spot inspection report from TA & QC Engineer of respective divisions shall be submitted along with bill.
- vi. The certificate for having serviced the IP set installation with RR No detail duly certified by the concerned sub-divisional/section officer and AAO/SA on the bill.
- vii. Completion certificate shall be submitted along with bill.
- viii. Transit insurance copy if any.
- ix. Transformer – Make, Sl. No and Year of Mfg. along with DTC metering details shall be recorded on the bill.

(2) Balance **ten percent (10%)** of the total cost of each work award will be retained with CESC towards fulfillment of work performance guarantee and will be released on completion of the guarantee period 18 months from the date of supply or 12 months from the date of commissioning whichever is earlier on performance certification issued by the concerned AEE of Sub-division and Section officers of concerned unit.

(3) The above payment terms are subject to the following:

9. Notwithstanding anything contained to the contrary in the Bid documents, storage insurance for materials stored at the site by the contractor shall be to the account of the Contractor alone and no amount whatsoever is payable by the CESC, Mysore.

10. Jurisdiction of contract:

The laws applicable to the contract shall be laws in force in India. The courts of Mysore shall have exclusive jurisdiction in all matters arising under this contract.

11. The successful bidder shall procure and supply the materials from CESC approved vendors/regular suppliers to CESC only. Any proposal for procurement of materials other than the approved vendors, '**vendor approval**' shall be obtained from the owner prior to supply of such bought out items.

The owner reserves the right to choose vendors for approval.

List of Vendor Approved Firms/Regular suppliers to CESC is available in the CESC's official website.

12. Approval for Drawings:

Necessary approvals for the drawings of the materials to be supplied to the works are to be obtained in advance from the undersigned.

13. Commissioning of completed work:

Approval from Electrical Inspectorate, Govt. of Karnataka/Railway Crossings shall be obtained before commissioning and handing over of completed work to the Executive Engineer (Elec.) O & M Division.

14. Guarantee:

The materials supplied and the work executed shall be guaranteed as per the conditions stipulated in the Bid document.

15. Performance Guarantee:

The firm has furnished a Bank Guarantee of **₹13,95,000/- (Rs. Thirteen Lakhs Ninety Five Thousand Only)** towards performance guarantee (being 5% of the Contract Value ₹5,00,000/- (Rs. Five Lakhs Only)+ ₹8,95,000/- (Rs. Eight Lakhs Ninety Five Thousand Only) towards negative quoted rate (Unbalanced Tender)) as mentioned vide reference (8). The Guarantee shall be valid up to 90 days after the end of the completion of the contract period as mentioned in Clause (36.1) of ITB of Bid Document. However the same shall be renewed for further period as per the requirement of the bid document. Also

the performance guarantee for maintenance contract shall be furnished as applicable in the bid document.

- 1) **The Rate contract** is valid for a period of **One Year from the date of this DWA**. The cost of works proposed against this contract is **₹100 Lakhs (Hundred Lakhs only)**.
16. The other terms and conditions are as stipulated in the bid document.

PART-II: Erection Portion

Detailed Work Award No: **CESC/GM(P)/DGM(P)/AGM(P-1)/2020-21/DWA: 449** for erection portion for Providing electrical infrastructure to Irrigation Pump Set Installations and providing additional transformers to existing Overloaded DTCs by extending HT/LT lines & erection of 25KVA Distribution Transformers on **partial turnkey basis in Bannuru Sub Division**.

1. Price Schedules:

Quoted labour price for individual materials required for the scope of work is given in the table below.

2. Completion period:

The period of completion is **One Year from the date of this DWA**. However, early completion of works is preferred. The completion period may be extendable for further one year on mutual consent as per clause 13.0 of GCC. However, extension of completion period is completely at the discretion of CESC.

3. Prices:

The prices are firm throughout the Period of Contract. No price variation is allowed.

4. Liquidated Damages:

If the extension is due to delay from the contractor side, the proposal with reason for delay and audited calculation for claiming liquidated damages shall be submitted thro' proper channel to this office by the Executive Engineer(Elec.) of the O&M Division as per clause 14.1 of GCC.

5. Taxes and Duties:

The amount of award is inclusive of all applicable taxes, duties works contract tax, freight & insurance or levies that are applicable in respect of transaction between the firm and CESC, which is not included in the Bid, shall be to your account and CESC shall have no liability whatsoever in this regard. Service Tax/GST as applicable shall be borne by the contractor.

6. Completeness:

Erection of all the necessary equipment and materials that are required for the work even though they have not been mentioned in the specifications, but are necessary for successful completion of work is deemed to be included in the specification and bidder shall supply those materials and also undertake erection. However if essential material required other than indicated in Bill of material for successful completion of work, such material cost will be paid as per the quoted percentage on prevailing SR which will be considered at the time of awarding of work as per GCC(2.6).

7. The charges of Forest clearing, Railway Clearance, Inspectorate charges and P&T charges etc., total charges incurred any towards these items will be reimbursed to the contractor on production of bills as per actuals as per ITB, 31.1(iii).

8. Payment:

The terms of Payments shall be as below;

(1) **Ninety percent (90%)** of the total cost of each work award including supply of materials, erection, test & commissioning of the equipment/materials along with 100% taxes & duties, Freight & Insurance charges as mentioned in the award against completion of each work award issued by the concerned division will be paid subject to furnishing the following:

- i. Bill Invoice in duplicate.
- ii. Joint inventory from agency and AEE(Elec.), O&M of concerned division.
- iii. Spot inspection report from TA & QC Engineer of respective divisions shall be submitted along with bill.
- iv. The certificate for having serviced the IP set installation with RR No detail duly certified by the concerned sub-divisional/section officer and AAO/S.A. on the bill.
- v. Completion certificate shall be submitted along with bill.
- vi. Transit insurance copy if any.
- vii. Transformer – Make, Sl. No and Year of Mfg. along with DTC metering details shall be recorded on the bill.

(2) **Balance ten percent (10%)** of the total cost of each work award will be retained with CESC towards fulfillment of work performance guarantee and will be released on completion of the guarantee period of **18** months from the date of supply or **12** months from the date of commissioning whichever is earlier on performance certification issued by the concerned AEE of Sub-division and Section officers of concerned unit.

(3) The above payment terms are subject to the following:

- Transformer wise/individual work wise bills shall be submitted by the contractor.
9. Notwithstanding anything contained to the contrary in the Bid documents, storage insurance for materials stored at the site by the contractor shall be to the account of the Contractor alone and no amount whatsoever is payable by the CESC, Mysore.

10. Jurisdiction of contract:

The laws applicable to the contract shall be laws in force in India. The courts of Mysore shall have exclusive jurisdiction in all matters arising under this contract as per Clause No.8, GCC, Volume-I.

11. All technical specification and commercial terms and conditions as per specification shall be complied with, except for deviation, if any specifically discussed and agreed to.

12. The Contractor firm is responsible for guaranteed performance and timely completion of the total contract.

13. This Detailed work award shall be read in conjunction with the letter of Intent issued, Contract Agreement, Performance Guarantee and Bid Documents of the Subject enquiry along with subsequent Amendments, if any, issued by this office.

14. Guarantee & warranty as stipulated in the Bid conditions.

15. The other terms and conditions are as stipulated in the bid document.

16. Settlement of disputes:

Any dispute or difference or claim arising out of, or in connection with, or relating to the present contract or the breach, termination or invalidity thereof, shall be referred and

settled under the Arbitration center – Karnataka(Domestic and International) Rules 2012, by one or more arbitrators appointed in accordance with its rules.

17. Price Schedule:

Annexure – A: HT Line Extension

SI No.	Particulars of material	Unit	Qty.	Unit Price including PTK Parameters as per CSR 2018-19 (Rs.)		Awarded Unit Price -8.95% over CSR 2018-19 including PTK Parameters (Rs.)	
				Material	Labour	Material	Labour
1	9.00 Mtrs long RCC pole 145 Kg WL	Nos.	1	6516.46	1589.03	5933.23	1446.81
2	9.00 Mtrs long PSC pole 200 Kg WL	Nos.	1	3841.36	1589.03	3497.55	1446.81
3	Stringing of Rabbit ACSR	km	1	--	3909.88	--	3559.94
4	11KV Horizontal cross arms with clamp, HTST , bolts &nuts of required size and washers etc for RCC pole.	Nos.	1	462.34	144.46	420.96	131.53
5	11KV Horizontal cross arms with clamp, HTST , bolts &nuts of required size and washers etc for PSC pole.	Nos.	1	456.09	144.46	415.27	131.53
6	DP Set using RCC, 145KG WL/PSCC Pole 300Kg WL - MS, (Excluding Poles) (Dwg No. BESCO/GM/QS&S/33 Dtd 24.11.2018)	Set	1	4808.72	4876.10	4378.34	4439.69
7	Guy sets complete with No.15 strain insulator and concreting materials	Set	1	864.28	531.49	786.93	483.92
8	Guy concreting with Boulders, Mud and Sand	Nos.	1	--	237.13	--	215.90
9	PG clamps for Rabbit conductor	Nos.	1	82.26	--	74.90	--
10	EG Stirrups with GI wire lacing	Set of 2 Nos	1	198.89	148.55	181.09	135.25
11	Spiral earth electrode	Nos.	1	171.81	83.13	156.44	75.69
12	Providing guarding at Road Crossings, Telephone Line Crossings(Labour Charges includes fixing of Cross Arms)	Mtr	1	83.30	15.06	75.85	13.71
13	Caution/Danger board as per drawing	Nos.	1	152.03	72.23	138.42	65.76
14	Anti climbing device (12 Mtrs/1 kg GI barbed wire)	kg	1	79.14	38.16	72.06	34.74

Annexure – C: Extension of LT Line

SI No.	Particulars of material	Unit	Qty.	Unit Price including PTK Parameters as per CSR 2018-19 (Rs.)		Awarded Unit Price -8.95% over CSR 2018-19 including PTK Parameters (Rs.)	
				Material	Labour	Material	Labour
1	8.0 Mtrs long RCC poles.115 kg WL	Nos.	1	4900.36	1270.13	4461.78	1156.45
2	8.0 Mtrs long PSC poles.200 kg WL	Nos.	1	3180.13	1270.13	2895.51	1156.45
3	Stringing of Weasel ACSR	km	1	--	2867.33	--	2610.71
4	LT 4 Pin Cross arms with pole clamp, B&N of required size and washers etc for RCC pole	Set	1	283.23	144.46	257.88	131.53
5	LT 4 Pin Cross arms with pole clamp, B&N of required size and washers etc for PSC pole	Set	1	276.99	144.46	252.20	131.53
6	Pin Insulators 1.1 KV class with G.I.Pins, Nuts & Washers	Nos.	1	49.98	--	45.51	--
7	No.8 Strain Insulators	Nos.	1	16.66	--	15.17	--
8	Guy sets complete with 8 strain insulators & concreting materials	Set	1	864.28	531.49	786.93	483.92
9	Guy concreting with Boulders, Mud and Sand	Nos.	1	--	237.13	--	215.90

Annexure – B: DTC

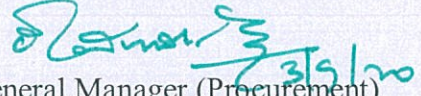
Sl No.	Particulars of material	Unit	Qty.	Unit Price including PTK Parameters as per CSR 2018-19 (Rs.)		Awarded Unit Price -8.95% over CSR 2018-19 including PTK Parameters (Rs.)	
				Material	Labour	Material	Labour
1	9 Mt RCC DP Transformer Structure (excluding poles)	No	1	14168.97	6169.40	12900.85	5617.24
2	11kV/433V, 25KVA, 3 Phase, 50 Cys Distribution Transformer BEE-4/5 Star Rated with Oil	No	1	--	1022.10	--	930.62
3	Guy sets complete with No.15 strain insulator and concreting materials	Set	1	864.28	531.49	786.93	483.92
4	Guy concreting with Boulders, Mud and Sand	Nos.	1	--	237.13	--	215.90
5	Earthing materials pipe type for grounding as per Drawing No. BESCOM/GM/CP/15 & 34/ Dt: 24.10.07	Single Electrode with accessories	3	4688.97	2579.78	4269.31	2348.89
6	Caution/Danger Board	No	1	152.03	72.23	138.42	65.76
7	Anti-Climbing device(12mtrs/1Kg GI Barbed Wire) Lumpsum	kg	1	79.14	38.16	72.06	34.74
8	GI Wire 8 SWG	Kgs	1	65.91	--	60.01	--
9	Guy wire 7/10SWG	Kgs	1	67.83	--	61.76	--
10	a) LT Protection kit	No	1	1719.19	307.99	1565.32	280.43
	b) LT Wiring (LT Protection Kit) SINGLE CIRCUIT	No	1	--	--	--	--
	i) Al Lead Wire - 50 Sq mm	Mt	1	46.14		42.01	
	ii) Heavy Duty Long barrel Cu Lugs - 50 Sq mm	No	1	41.65		37.92	
	iii) PG Clamps - Rabbit to 50 Sqmm	No	1	82.26		74.90	
	iv) Spacers for DTC Wiring	No	1	42.69		38.87	
	v. Fish Plate with necessary Clamps,bolts & nuts etc., complete (Galvanised)	No	1	156.20		142.22	
	c) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS-42)	No	1	5505.35	771.35	5012.62	702.31
	d) LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	No	1	2629.28	945.78	2393.96	861.14
11	11 kV lightning Arrester , Metal oxide,9 kV, 5 kA	Set of 3 Nos	1	--	106.30	--	96.78
12	HG Fuse,11kV solid core Type	Set/3Nos	1	918.43	211.23	836.23	192.33
13	11kV , 200Amps, Single Break GOS	Set	1	8121.10	953.96	7394.26	868.58

18. Project implementation and monitoring from CESC

- The estimates shall be sanctioned by appropriate authority as per prevailing company delegation of powers.
- It shall be ensured that all the transformers shall bear Unique ID Number Plate before commissioning in field.
- The IP set Installations provided with infrastructure and DTCs erected shall be updated in the enumeration software by concerned CESC engineers.
- Superintending Engineer (Elec) of respective O&M Circles is designated as the **Nodal Officer** for successful implementation and completion of the project. Monthly progress of the works Division wise/Agency wise/Work Award wise shall be monitored by respective Circle's Superintending Engineer (Elec).
- Agency wise/Division wise monthly progress of the works shall be submitted through proper channel by all Divisions through respective Chief Engineer (Elec), CESC, Mysuru/Hassan Zone to General Manager (Technical), CESC, Corporate Office, Mysuru in the prescribed format without fail.

- f) Certified monthly report from Enumeration of IP Sets/DTC software for having updated all the newly serviced IP sets/ commissioned DTCs shall be furnished along with the work progress report from the divisions.
- g) Quarterly Review Meeting shall be held by respective O&M Circle's Superintending Engineers (Elec), with the Division/Sub Division officers along with implementing agencies. The proceeding of the same shall be submitted to General Manager(Technical) with a copy to respective Zonal Chief Engineer(Elec), General Manager(Procurement)

Note: Ten bound copies comprising of DWA, LOI, Contract Agreement, BG and Bid documents with amendments if any shall be submitted to this office within 15 days from the date/receipt of this DWA


General Manager (Procurement)
CESC, Mysuru

Copy:

1. Chief Engineer (Elec.), CESC, Mysuru O& M Zone, Mysuru for kind information
2. Chief Financial Officer, CESC, Mysuru for kind information
3. Chief General Manager(I/A), CESC, Mysuru for kind information
4. General Manager (Tech), Corporate Office, CESC, Mysuru for kind information
5. Superintending Engineer (Elec.), CESC, Mysuru Circle for kind information
6. Executive Engineer (Elec.), O&M Division, CESC, Nanjanagudu for further needful action
7. MIS Section, to publish in cescmysore.org
8. PS to MD/DT to place before Honorable MD/Director(Technical), CESC
9. MF/OC

