

CHAMUNDESHWARI ELECTRICITY SUPPLY CORPORATION LIMITED

(Government of Karnataka Undertaking)

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

No: CESC/GM(P)/DGM(P)/AGM(P-1)/2020-21/DWA: 494-495/

13/01 - 104 Date: 13 OCT 2020

DETAILED WORK AWARDM/s Eagle Electricals,
Krishna Complex, M.G. Road,
Kodialbailu, Mangaluru – 575003.

BY REGD. POST ACK. DUE

Sir,

Sub: Providing electrical infrastructure by extending 11KV HT/ LT lines & erection of 25KVA Distribution Transformers for Ganga Kalyana and Water Supply Installations on Total Turnkey basis under Unit Rate contract in **Hunsur Sub Division**.

- Ref: 1) CESC/GM(P)/DGM(P)/AGM(P-1)/2020-21/C2-4776, Date: 16-07-2020
 2) Tender No. in e-portal: CESC/2020-21/EL/WORK_INDENT1194
 3) Techno-Commercial Bid opened on 17-08-2020 & Price Bid opened on 31-08-2020
 4) Negotiation Meeting held on 03-09-2020
 5) Note approved by Hon'ble MD, CESC vide para(44)/08-09-2020
 6) T.O. LOI No:12450-53, Dated: 05-10-2020
 7) Contract Agreement dated: 06-10-2020
 8) HDFC, Mangaluru, BG No: 009GT02202820012, dated 07-10-2020, Amount: ₹15,00,000/-, Validity: 06-02-2022

Please find herewith enclosed Detailed Work Award (DWA) in triplicate for Providing electrical infrastructure by extending 11KV HT/ LT lines & erection of 25KVA Distribution Transformers for Ganga Kalyana and Water Supply Installations on Turnkey basis under Unit Rate contract in **Hunsur 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:

- 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.
- The contractor shall source all the other materials hardware and LT insulators as per IS specification from CESC approved vendors only.
- 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.

- iv) 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.
- v) Each work award may consist of either HT & DTC or DTC & LT or only LT or inclusive of all.
- vi) If sufficient Ganga Kalyana & Water Supply applications/works are not available for awarding, only in such situation, Link Line works can be awarded with Prior approval from Corporate Office. Minimum DWA amount shall be reserved for carrying out Ganga Kalyana & Water Supply works.
- vii) 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
- viii) Work awards shall be issued as and when the applications are registered by the respective corporations/ZP/Govt. Bodies
- ix) Registration/Statutory Inspection Charges like inspectorate charges etc., shall be paid by the contractor. The same will be reimbursed on submission of challans for payments.

PART-1: SUPPLY PORTION

Detailed Work Award No: **CESC/GM(P)/DGM(P)/AGM(P-1)/2020-21/DWA: 494** for supply portion for Providing electrical infrastructure by extending 11KV HT/ LT lines & erection of 25KVA Distribution Transformers for Ganga Kalyana and Water Supply Installations on Total Turnkey basis under Unit Rate contract in **Hunsur 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 the LOI**. 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 **₹15,00,000/- (Rs. Fifteen Lakhs Only)** towards performance guarantee being 5% of the Contract Value 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 the LOI**. The cost of works proposed against this contract is **₹300 Lakhs (Three 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: 495** for erection portion for Providing electrical infrastructure by extending 11KV HT/ LT lines & erection of 25KVA Distribution Transformers for Ganga Kalyana and Water Supply Installations on Total Turnkey basis under Unit Rate contract in **Hunsur Sub Division**.

1. Price Schedules:

Quoted price of 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 the LOI**. 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

Sl No.	Particulars of material	Unit	Qty.	Cost	Cost inclusive	Awarded Unit Price	
				(as per SR 2018-19) Unit Rate ₹	of GST @18%, PF @ 13.36% & ESI @ 4.75% on labour (as per SR 2018-19) Unit Rate ₹	4.89% over CSR 2018-19 including GST, ESI & PF on Labour (Rs.)	
				Material	Labour	Material	Labour
1	9.00 Mtrs long RCC pole 145 Kg WL	Nos.	1	6258.00	1587.04	6564.02	1664.65
2	9.00 Mtrs long PSC pole 200 Kg WL	Nos.	1	3689.00	1587.04	3869.39	1664.65
3	Stringing of Rabbit ACSR	km	1	36497.00	3905.00	38281.70	4095.95
4	11KV Horizontal cross arms with clamp, HTST , bolts &nuts of required size and washers etc for RCC pole.	Nos.	1	444.00	144.28	465.71	151.33
5	11KV Horizontal cross arms with clamp, HTST , bolts &nuts of required size and washers etc for PSC pole.	Nos.	1	438.00	144.28	459.42	151.33
6	11kV, 5kN Composite / Polymeric Pin Insulator (24mm dia FRP Rod)	Nos.	1	180.00	--	188.80	--
7	11kV, 45kN Polymeric Insulators	Nos.	1	164.00	--	172.02	--
8	DP Set - MS using 9Mtr RCC, 145KG WL poles included	Set	1	17450.00	4870.02	18303.31	5108.16
9	Guy sets complete with No.15 strain insulator and concreting materials	Set	1	830.00	530.83	870.59	556.79
10	Guy concreting with Boulders, Mud and Sand	Nos.	1	--	236.83	--	248.41
11	PG clamps for Rabbit conductor	Nos.	1	79.00	--	82.86	--
12	Spiral earth electrode	Nos.	1	165.00	83.03	173.07	87.09
13	Providing guarding at Road Crossings, Telephone Line Crossings(Labour Charges includes fixing of Cross Arms)	Mtr	1	80.00	15.04	83.91	15.78
14	Caution/Danger board as per drawing	Nos.	1	146.00	72.14	153.14	75.67
15	Anti climbing device (12 Mtrs/1 kg GI barbed wire)	kg	1	76.00	38.11	79.72	39.97

Annexure – C: Extension of LT Line

Sl No.	Particulars of material	Unit	Qty.	Cost (as per SR 2018-19) Unit Rate `	Cost inclusive of GST @18%, PF @ 13.36% & ESI @ 4.75% on labour (as per SR 2018-19) Unit Rate `		Awarded Unit Price 4.89% over CSR 2018-19 including GST, ESI & PF on Labour (Rs.)	
					Material	Labour	Material	Labour
1	8.0 Mtrs long RCC poles.115 kg WL	Nos.	1	4706.00	1268.55	4936.12	1330.58	
2	8.0 Mtrs long PSC poles.200 kg WL	Nos.	1	3054.00	1268.55	3203.34	1330.58	
3	Stringing of Weasel ACSR	km	1	21552.00	2863.75	22605.89	3003.79	
4	LT 4 Pin Cross arms with pole clamp, B&N of required size and washers etc for RCC pole	Set	1	272.00	144.28	285.30	151.33	
5	LT 4 Pin Cross arms with pole clamp, B&N of required size and washers etc for PSC pole	Set	1	266.00	144.28	279.01	151.33	
6	Pin Insulators 1.1 KV class with G.I.Pins, Nuts & Washers	Nos.	1	48.00	--	50.35	--	
7	No.8 Strain Insulators	Nos.	1	16.00	--	16.78	--	
8	Guy sets complete with 8 strain insulators & concreting materials	Set	1	830.00	530.83	870.59	556.79	
9	Guy concreting with Boulders, Mud and Sand	Nos.	1	--	236.83	--	248.41	


Annexure – B: DTC

Sl No.	Particulars of material	Unit	Qty.	Cost (as per SR 2018-19) Unit Rate `	Cost inclusive of GST @18%, PF @ 13.36% & ESI @ 4.75% on labour (as per SR 2018-19) Unit Rate `		Awarded Unit Price 4.89% over CSR 2018-19 including GST, ESI & PF on Labour (Rs.)	
					Material	Labour	Material	Labour
1	9 Mt RCC DP Transformer Structure (Using 9 Mt RCC Poles included)	No	1	26439.00	6161.70	27731.87	6463.01	
2	11kV/433V, 25KVA, 3 Phase, 50 Cys Distribution Transformer BEE-4 Star Rated with Oil	No	1	64900.00	1020.83	68073.61	1070.74	
3	Guy sets complete with No.15 strain insulator and concreting materials	Set	1	830.00	530.83	870.59	556.79	
4	Guy concreting with Boulders, Mud and Sand	Nos.	1	--	236.83	--	248.41	
5	Earthing materials pipe type for grounding as per drawing (single electrode with accessories) BESCOM/GM/CP/15 & 34/ Dt: 24.10.07	Single Electrode with accessories	3	4503.00	2576.56	4723.20	2702.56	
6	Caution/Danger Board	No	1	146.00	115.83	153.14	121.50	
7	Anti-Climbing device(12mtrs/1Kg GI Barbed Wire) Lumpsum	kg	1	76.00	90.83	79.72	95.27	
8	GI Wire 8 SWG	Kgs	1	63.29	--	66.39	--	
9	Guy wire 7/10SWG	Kgs	1	65.14	--	68.32	--	
10	a) LT Protection kit	No	1	1651.00	226.00	1731.73	237.05	
	b) LT Wiring (LT Protection Kit) SINGLE CIRCUIT	No	1	--	--	--	--	
	i) Al Lead Wire - 50 Sq mm	Mt	1	44.31		46.48		
	ii) Heavy Duty Long barrel Cu Lugs - 50 Sq mm	No	1	40.00		41.96		
	iii) PG Clamps - Rabbit to 50 Sqmm	No	1	79.00		82.86		
	iv) Spacers for DTC Wiring	No	1	41.00	850.69	43.00	892.29	
	v. Fish Plate with necessary Clamps,bolts & nuts etc., complete (Galvanised)	No	1	150.00		157.34		
	c) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS-42)	No	1	5287.00	628.83	5545.53	659.58	
	d) LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	No	1	2525.00	756.83	2648.47	793.84	
11	11kV Lightning Arrester, Metal oxide, 9kV, 5kA Polymeric Type with ground disconnector	Set of 3 Nos	1	1335.00	140.83	1400.28	147.72	
12	HG Fuse,11kV solid core Type	Set/3Nos	1	882.00	217.83	925.13	228.48	
13	11kV, 200Amps, Single Break GOS	Set	1	7799.00	762.83	8180.37	800.13	

18. Project implementation and monitoring from CESC

- a) The estimates shall be sanctioned by appropriate authority as per prevailing company delegation of powers.
- b) It shall be ensured that all the transformers shall bear Unique ID Number Plate before commissioning in field.
- c) The Gangakalyana IP sets/Water Supply Installations provided with infrastructure and DTCs erected shall be updated in the enumeration software by concerned CESC engineers.
- d) 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).
- e) 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 Financial Officer, CESC, Mysuru for information
2. Chief Engineer (Elec), CESC, O& M Zone, Mysuru for information
3. Chief General Manager(I/A), CESC, Mysuru for information
4. General Manager (Tech), Corporate Office, CESC, Mysuru for information
5. Superintending Engineer (Elec), CESC, Mysuru Circle for information
6. Executive Engineer (Elec), O&M Division, Hunsur for further needful
7. MIS Section, to publish in cescmysore.org
8. PS to MD/DT to place before Honorable MD/Director(Technical), CESC MF/OC