

E-TENDER DOCUMENT

MAA MAHAMAYA SAHKARI SHAKKAR KARKHANA MARYADIT AMBIKAPUR VILLAGE KERTA DIST SURJAPUR (C.G.) E-Tender are invited from the Complete Engineering, Drawing, Design, Procurement, Supply, Commissioning, Testing & Trial of Power Export to CSPDCL Work of 2.5MW 11/33 KV Switch Yard Station. With Two Year AMC, 05MVA Switch Yard with Power Evacuation System. Synchronization Panel, Safety Panels with Alarm, Cubicles and Elect. Panels. Complete Civil work of Switch Yard/Control Room

संशोधित निविदा प्रपत्र




E-TENDER DATE- 11/06/2022

Tender No. 737

E-Tender No. 100961

OFFICE OF THE MANAGING DIRECTOR,
MAA MAHAMAYA SAHKARI SHAKKAR KARKHANA MARYADIT AMBIKAPUR
VILLAGE KERTA DIST SURJAPUR (C.G.)


GENERAL MANAGER (ADMIN),
MAA MAHAMAYA SAHKARI SHAKKAR KARKHANA
MARYADIT AMBIKAPUR VILLAGE KERTA DIST SURJAPUR (C.G.)

TENDER FEES - 5311/-

**Maa Mahamaya Sahkari Shakkar Karkhana Maryadit, Ambikapur
Vill. – Kerta, Distt. – Surajpur (C.G.)**

TENDER NOTICE

FOR SWITCH YARD, PANELS & SYNCRONIZATION SYSTEM

Sr. No	Estimate no. and date	Name of work	Total Offer Price in Indian Rupees (₹)	Eligible class of contractor for participation
1	NSI/DPR/CG-1/07-08/S&I Dated: 09.02.2022	Complete Engineering Drawing, Design, Procurement, Supply, Commissioning, Testing & Trial of Power Export to CSPDCL Work of 2.5MW 11/33 KV Switch Yard Station. With Two Year AMC 05MVA Switch Yard with Power Evacuation System. Synchronization Panel, Safety Panels with Alarm, Cubicles and Elect. Panels. Complete Civil work of Switch Yard/Control Room		Class- "A"

1. Against this tender, the works shall be completed within 04 months from date of work order excluding rainy season or covid- 19 issue and time will be started after handed over the Work Order.
2. Last date and time of submission of bid :12.00 noon Dated 11.06.2022
3. Due date and time of opening :02.00 pm Dated 11.06.2022
4. Only "A" CLASS Electrical contractors registered in the office of Chief Electrical Inspectorate(CEI) office Raipur can participate in this tender.
5. The bidder has to submit/deposit 3% EMD of the total offered value by them without GST.
6. The bidder shall procure all electrical materials from approved vendors of CSPDCL.
7. All electrical, mechanical and automation device/equipment should be with guaranty and warranty as per OEM.
8. Only a Bidder/Contractor/Firm having minimum ₹5 CR. turnover in the last five financial years up to 2020-21 can participate in this tender. (Financial year relaxation given due to covid-19 issue in 2018-19 & 2019-20) and having minimum 04no. switched yard erection and commissioning experience.
9. The bidder will have to provide 02 years/seasons (whatever will be more running/operating period) AMC for the entire project for assurance of smooth & continues operation of entire system for power export to CSPDCL, any problematic or damaged parts/system/machine to be repaired or replaced FREE OF COST.
10. All type of Electrical licenses, electrical inspectorate, test and third-party inspection fee and other charges if any will be in bidder scope. TPI only valid from well experienced working or retired electrical engineer from the post of Ex. Engineer or higher in Chhattisgarh electric bord.
11. MMSK will also appoint a third party to check and test all system and to provide the checklist and test certificates (if required) of the material used at site with the test and trial report and all expenditure/cost of that will be on the successful bidder/contractor/firm scope.
12. Rated are exclusive of GST.
13. MMSK has reserve the rights to do any change or cancellation of full and parts of this tender at any time with or without prior intimation to the bidder/contractor/firm.

IMPORTANT INSTRUCTIONS/ NOTES FOR E-BIDDING

- Please note that this tender prepare and preceded by MD MMSSK and shall be exclusively and entirely processed online. Hence the bidders shall keep proper record at their end.
EMD/ Bid Security of 3% of total offered value of tender by the Bidder/contractor in the MMSSK bank Account no. 30185543714 of SBI, Ambikapur IFSC:SBIN0000310 or Account no.7258002100000030 of PNB, Pampapur IFSC: PUNB0725800 by Offline only.
Tender fee of Rs 5311/- (5000/- for tender fee & 311/- for CHIPS) charge by online transfer only.
Any bid submitted without tender fee & EMD shall not considered and bid will be rejected.
 - Please note that e-mail are system generated, hence bidders are advised to regularly check their inbox/junk mail box.
 - Bids (techno commercial and price bid) are accepted through online procedure.
 - After dead line, no alteration in the tender will be allowed by the system.
 - MMSSK will not accept incomplete bid.
 - It is mandatory to submit
 - (i) Self-attested Scanned copy of valid registration of A - class contractor in the office of CEI office Raipur.
 - (ii) Scanned copy of duly filled and signed annexure "A".
 - (iii) Scanned copy of duly signed certificate annexure "B".
 - (iv) Scanned copy of duly filled and signed annexure "C".
 - (v) Scanned copy of duly filled and signed annexure "D".
 - (vi) Scanned copy of duly filled and signed annexure "E".
 - (vii) Scanned copy of dully filled & signed Annexure "F" having details of latest GST Return GSTR3B.
- All the certificate, Affidavit, Declaration etc should be notarized.**
Hard copy of supporting documents and Techno-commercial bid (except price bid) should be submitted up to the due date of submission of bid. On non-submission of hard copy the bid submitted by bidder on e-bidding portal, if any, will not be open.
- Tender shall be opened in the scheduled time as notified. If the due date of opening/submission of tender documents is declared a holiday by the Govt. or Local Administration, it will be automatically shifted to next working day for which no prior intimation shall be given. Tender opening shall be continued on subsequent days. In case the opening of all tenders is not completed or due because of the technical constraints of system on the day of opening, it may be noted that the due date of opening/time may be altered/extended if desired by MMSSK without assigning any reason. However, intimation shall be available on company's tender portal/bidders email (if participation shown). The bidders are requested to keep track of the same.
 - After scrutiny of techno-commercial bid i.e. scanned copies of certificate annexure "B", registration copy and annexure "A", "C", and "F" the price bid of only eligible bidders will be opened.
 - In case of extension of due date of bid submission/ opening, the bidders will be allowed to submit revised bid in the system.
 - Amendment in Price Bid opening date will be informed by e-mail.
 - This tender notice/document Approved by Sale & Purchase Committee of MMSSK.
 - If due to any reason the documents are not attached in techno-commercial bid, MMSSK will not be responsible and such tenders would be out rightly rejected.
 - If the documents are shown attached in techno-commercial bid but due to any reason it could not be opened, MMSSK may request to submit another copy of the same, which may be accepted by MMSSK.
 - If after submitting the price bid by the bidder, the tender amount is changed by MMSSK, intimation of such a change is given on the e-mail of the participant bidder. In such a case the bidder will have to change the bid as per revised, failing which the bid shall be rejected.
 - Please check the attachment section and condition section once again after submitting the bid online.

DETAILED NOTICE INVITING TENDERS

1. Tender filed with condition (s) other than as stipulated in this tender shall be summarily rejected.
2. Bidder to be provide The drawings for the works and other documents such as BOM/BOA Technical specifications, schedule of quantities of various classes of work to be done.
3. Before submission of tender following points should be kept in mind:
 - (a) The quantities such as lengths mentioned , number of supports/structures , excavation , concreting etc. are all as per the sanctioned BOM.
 - (b) The bidder shall ensure the actual quantities after site verification.
 - (c) The erection/construction etc. shall be as per the standard practice of CSPDCL. Necessary **permission shall be obtained by the contractor for, Electrical Inspectorate etc.**
 - (d) Painting on material/equipment shall be as per the standards followed by CSPDCL, but the numbering of poles shall be done as per guidelines taken from the EE(OandM) of the jurisdiction.
 - (e) Before submitting the tender, **tenderer shall be deemed to have full knowledge of all relevant documents and to have satisfied himself by actual inspection of the site and locality of work, all the conditions liable to be encountered during the execution of the works are taken into account and that the rate he enters in the tender forms are adequate and all-inclusive to accord with the provisions of general/special conditions of contract for the completion of the work to the satisfaction of the MD**. Information about works given in bidding document is purely tentative and may change during actual execution as per site requirement . The bidder is advised to visit and examine the site(s) of work and their surroundings and obtain himself, at his own risk and cost all information that may be necessary for preparing the bid and entering into a contract for the work(s) . MMSSK will not entertain any claim at any stage from the bidder on the plea of having him not acquainted sufficiently to the site condition.
 - (f) **The submission of a tender by the tenderer implies that he has read and accepted all the instructions, the conditions of contract etc. and has made himself aware of the scope and specifications of the work to be done,** after proper documentation and insurance checked.
 - (g) The Company will not, after acceptance of contract rate, pay extra charges for any reason whatsoever, in case the contractor is found later to have misjudged any site conditions (s).

Inspection of materials supplied by contractor

The contractor must arrange the materials/equipments (not provided by MMSSK) as per specification/drawings of MMSSK and conforming to relevant ISS procured from approved vendors of CSPDCL after inspection at the manufacture's works by inspecting engineer authorized by CEI Raipur. or a third party and include all such costs in the rate quoted by him for finished work. After receipt of material, purchase Invoice along with Lorry Receipt (LR) & Challan should be submitted to this office before utilization of material in the field.

For material/equipment provided by the contractor, transporting to site, installation, testing, commissioning and handing over to the Managing Director -MMSSK will be in complete shape, good/working condition in all respects within scope of this tender.

- It may please be noted that all the works in the scope of this tender shall be in accordance with the provisions of Rules/Acts/Laws of Govt. of India/CG State Govt.
4. The contract or any part there of shall not be sublet without the written permission of the company/ or its authorized representative.
 5. The contractor shall be bound to follow the rules prevailing in the state / country.
 6. The contractor shall pay not less than the minimum wages to labours engaged by him on the work.
 7. The MMSSK reserves the right to take up departmental work or to award any work on contract in the vicinity prejudice to the terms of this contract.
 8. All royalties are to be paid by the contractors. Also all tolls, duties, local and other levels excluding GST (as

- applicable), Insurance and Workman's compensation Act, etc. shall be paid by the contractor.
9. THIS NOTICE OF TENDER SHALL form part of the contract and any breach of the terms of this notice shall be breach of the contract.

INSTRUCTIONS TO TENDERERS

10. Bill of Quantities.

A Bill of Quantities Provided by the Bidder is included in the tender document to give an idea of the nature and quantum of work to be executed, it shall, however, be understood that this is liable to alterations by omissions, deductions or additions at the discretion of the Company during the course of the contract. **Consequently, the quantities of individual items of work may vary or certain items may vary or certain items may not be required to be executed at all. The rates quoted shall remain firm.**

11. Care in submission of tender.

Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the work that all conditions liable to be encountered during the execution of the work are taken into account and that rates he enters in the tender form are adequate and all inclusive to accord with the provision of the general and special conditions of conditions of contract for the completion of the work to the satisfaction of the Engineer-in-charge.

12. Omissions and Discrepancies.

Should a tenderer find discrepancies in or omissions from the drawings or any of the tender form or should he be in doubt as to their meaning, he should **at once notify the authority inviting tenders, well before the date of opening notified, who may send written clarification to all tenderers.** Every endeavor has been made to avoid any error which can materially affect the basis of the tender, **but if any error is subsequently discovered, the tenderer shall make no subsequent claim on account thereof.**

13. Visit to site etc.

The submission of tender by a tenderer implies that he has read and accepted all the instructions and the conditions of the contract etc. and has made himself aware of the scope and specifications of the work to be done and of the conditions, and rates at which stores, materials/equipments etc. will be issued to him and local conditions and availability of materials of required quality and quantity and other factors bearing on the execution of the work. The Company will not after acceptance of contract, pay extra charge for any reason whatsoever in case the contractor is found later on to have misjudged the actual conditions at site of work or the availability of materials etc. for work.

14. Transport of materials.

The contractor must arrange for transport of all materials to be provided by him and include all such cost in the rates quoted by him for finished work. The contractor shall make his own arrangement for the supply of wagons if required by him for the transport of his material at his own expenses. The material provided by MMSSK shall be lifted by the contractor from Area stores of MMSSK in presence of MMSSK employee, after proper documentation.

15. Sub-letting of contract

The contract in all full or any part thereof shall not be assigned or sublet without the written permission of the Company (or its nominee), in case such permission is granted. However, it shall be borne in mind that the Company shall under no circumstance recognize the sub-contractors and the responsibility of executing the work according to the specifications and within the stipulated time shall entirely rest with the principle contractor.

16. Protection of public and workmen.

It shall be the sole responsibility of the contractor to protect the public and his employees and workman against accident from any cause and he shall indemnify the company from any claims for damages or injury to a person or property resulting from such accident.

General Conditions of Contract

Minimum Wages.

The contractor shall pay not less than minimum wages to the labours engaged by him on the work.

Explanation –

- (a) Minimum wages means wage whether for time or piece of work notified at the time of inviting tenders for the work and where such wage have not been so notified, the wages prescribed by the public works Departments, state or labour department
- (b) The contractor shall not with standing the provision of contract to the contrary cause to be paid minimum wages to labourers indirectly engaged on the work including any labour engaged by his sub-contractors in connectin with the said works as if labourers had been employed by him.
- (c) In respect of all labour directly or indirectly employed in the work for the performance or his part of this contract by the contractor shall either comply or cause to be complied with the Central provinces and Bearer PWD Contractors Labour Registration contained in Appendix-150 of M.P.P.W.D. Manual (Vol.II). Contractor should register his establishment under contract labour (Regulation and Abolition) Act.1970. with Labour department of M.P Government and C.G. Govt. and produce copy of same to Engineer-in-charge.
- (d) The Engineer-in-charge shall have the right to deduct from money due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker/workers by reason of non-fulfillment of the conditions of the contract for the benefit of the workers, non-payments of wages on deduction made from his or their wages which are not justified by their terms of the contract or nonobservance of the regulation.
- (e) The contractor shall be primarily liable for all payment to be made under and for the observance of the regulation aforesaid without prejudice to his right to claim indemnity from his sub-contractors.
- (f) The regulation aforesaid shall be deemed to be a part of the contract and any breach thereof shall be deemed to be breach of the contract. The contractor shall disburse the wages to his workers within the time limit prescribed under the provisions of payment of Wages Act-1936, or any other similar law in force as amended up to date.

Housing accommodation and water supply.

The contractor shall make his own arrangement for the housing of his staff and labour and MMSSK provide for the supply of water & Electricity for construction and domestic use.

The contractor shall also have to provide for sufficient latrines for the use of his works people, male and female, to keep the same clean and disinfected at all time during the period of work and to remove the same and disinfect the ground and make good all damage on the completion of the work. In regard to hutted accommodations for his workmen latrines etc. the contractor should comply with the local regulations and the C.G. Model Rules relating to lay-out, water supply and sanitation in labour camps. (Annexure A) to enable the contractor to erect a colony for housing labour and his staff and for storing materials, the contractor will be allowed the use of such portion of land at site as considered sufficient for that purpose by the Engineer-in-charge free of rent. The contractor shall keep the said premises clean and in good condition and shall vacate the same immediately after the expiry of the maintenance period. If due to exigencies of work, the contractor is directed by the Managing Director (MMSSK) to vacate the said portion of land and occupy another piece of land the contractor shall immediately vacate the land in his possession as aforesaid and shall not be entitled to claim any amount the Company on that account. It shall also be ensured by the contractor that when the site is vacated, the land shall be returned to the Company in the same conditions as it was handed over to him.

3. Scaffolding, working platforms and stairways:

The contractor shall provide suitable scaffolds, working platforms stairways and gangways and shall comply with the following regulations in connection therewith.

- (a) Suitable scaffolds shall be provided for all work that cannot be safely done from a ladder or by other means.
- (b) A scaffold shall not be constructed, taken down or substantially altered Except.
 - (i) Under the supervision or a competent and responsible person and.
 - (ii) As far as possible by competent workers possessing adequate experience in this kind of work.
- (c) All scaffolds and appliances connected therewith and all Ladders shall
 - (i) be of sound materials
 - (ii) be of adequate strength having regard to the load and strain to which they will be subject and
 - (iii) be maintained in proper condition
- (d) Scaffolds shall be so constructed that no part thereof can get displaced in consequence of normal use.
- (e) Scaffolds shall not be overloaded as far as practicable the load shall be evenly distributed.

- (f) Before installing lifting gear on scaffolding special precaution shall be taken to ensure the strength and stability of the scaffolds and the same shall be periodically inspected by a competent person.
- (g) Before allowing a scaffold to be used by his workmen, the contractor shall, whether the scaffolds have been erected by his workman or not, take steps to ensure that it complies fully with the regulation herein specified.
- (h) Working platform, gangways and stairways shall:
 - (i) be so constructed that no part thereof can sag unduly unequally
 - (ii) be so constructed and maintained, having regard to the prevailing conditions as to reduce as far as practicable risk of persons falling tipping or slipping and
 - (iii) be kept free from any unnecessary obstructions.
- (i) In the case of working platforms, gangways working places and stairways at a height exceeding 16 ft.(4.8m)
- (i) Every working platform and every gangway shall be closely Company unless other adequate measures are taken to ensure safety.
 - (ii) Every working platform and gangways shall have adequate width and.
 - (iii) Every working platform, gangways working place and stairway shall be suitably fenced.
- (j) Every opening in the floor of a building or in a working place and stairway shall be suitably fenced.
- (k) When persons are employed on roof where there is danger of falling from height exceeding 4.8 m suitable precautions shall be taken to prevent the falling of persons or materials.
- (l) Suitable precautions shall be taken to prevent persons being stuck by articles, which might fall from the scaffold or other working places.
The contractor shall comply with the following regulations as regards the hoisting appliances to be used by him
- (m) Hoisting machine and tackle including their attachments, anchorage's and supports shall.
 - (i) be of good mechanical construction, sound materials and adequate strength and free from latent defects and.
 - (ii) be kept in good hoisting working order.
- (n) Every rope used in hoisting or lowering materials as a means of suspension shall be of suitable quality and adequate strength and free from latent defects.
- (o) Hoisting machine and tackle shall be examined and adequately tested after erection on the site and before use and be re-examined in positions at intervals to be prescribed by the Engineer-in-charge.
- (p) Every chain, ring, hook shackle, swivel and pulley block used in hoisting or lowering materials or as a means of suspension shall be periodically examined.
- (q) Every crane driver or hoisting appliance operator shall be properly qualified.
- (r) No person who is below the age of 25 years shall be in control of any hosting machine, including any scaffolding or give signals to the operators. **Insurance.**

a. The contractor shall, at all times during the tenure of this contract at his own expense insure and keep insured in the name of the Company with any of the nationalized General Insurance Companies all the work in progress: plants, equipments, stores, instruments, implements, tools and all other materials whatsoever against loss, destruction or damage by fire, flood or any other cause whatsoever including war, revolution, Civil communal riot and all liabilities under the workmen's compensation Act in respect of death or body, injury payable to any worker and damage to property of the third persons.

b. During the continuance of this contract, the contractor shall pay all premium and sums of money necessary for keepings this Insurance policy on foot and deliver to the Company the receipt of such payment within seven days after the same shall have become due.

In the event of the contractor refusing or neglecting to effect insurance as aforesaid of keeping the same on foot by making payment as aforesaid or to deliver receipt the Company, it shall be lawful for the Company to effect the insurance as aforesaid and to pay the premium thereon and deduct the cost of such insurance or the amount of premium so paid from time to time from any sums payable to the contractor under this contract.

c. Provided further that if the contractor or the Company has not effected such insurance, the liability for any loss occurring due to the cause mentioned in clause I above shall be that of the contractor and it shall be lawful for the Company to deduct by way of penalty the whole cost if insurance including the amount of premium that would have been paid from time to time from any sums payable to the contractor under this contract, has such an insurance been effected.

4. In case of tenders where the completion time is exclusive of rainy season, the rainy season shall be counted from 16th June to 15th October.
5. The breach of any terms or any of special condition shall be deemed as breach of the contract.

MODEL RULES RELATING TO WATER SUPPLY AND SANITATION IN LABOUR CAMPS

Note:- The model rules are intended primarily for labour camps which should be adhered to Standards in permanent or semi-permanent labour camps should not obviously be lower than those for temporary camps. Any other conditions as may be imposed by the State Government or the local authorities in this respect shall be complied with the contractor.

1. Location: - The camps should be located in elevated and well drained ground in the locality.
2. Layout: - Labour huts to be constructed for one family of 5 persons each. The layout to be shown in the prescribed sketch shall be approved by the Engineer-in-charge.
3. Hutting: - The huts to be build of local materials and each hut should provide at least 20 sq. m of living space.
4. Sanitary facilities: - There shall be provided latrines and urinals at least. 15 m. away from the nearest quarter, separately for men and women and specifically so two families per seat. No separate urinals are required as privies can also be used for this purpose.
5. Drinking water: - Adequate arrangements shall be made for the supply of drinking water, if practicable filtered and chlorinated supply shall be arrange.
When supply is form an intermittent Source, a covered storage tank shall be provided with a capacity of one gallon per person per day. Where the supply is form a well, it shall confirm to the sanitary standards laid down in the report of the Rural Sanitation Committee. The well should be at least 30 m. away from any latrine or other source of pollution, if possible a hand pump should be installed for drawing the water from the well. The well should be effective disinfected once every month and quality of water should be tested at the public Health Institution between every two disinfecting.
6. The rules aforesaid shall be deemed to be a part of the contract and any breach there of shall be deemed to be breach of contract.

Terms of Payment: -

1. 20% of Contract Value as Advance along with work order and finalization and duly signed of agreement.
2. 20% of contract value for supply after submission /approval of all key drawings/information/documents & order copy of all materials required for switched yard/control panel (to be paid within 15 days of contract/W.O date).
3. 15% of contract value on receipt of all material at site and after completion of all civil work at site duly certified by the Managing Director/ MMSSK- Purchase Committee.
4. 10% of contract value after successful work of erection and commissioning of entire switch yard and ready for final connectivity.
5. 10% of contract value after completion of connectivity with transmission line on both end at factory and dharpur substation of CSPDCL.
6. 10% of contract value after submission of all line/equipment/charging/electrical Inspector & required test certificate at MMSSK and checked by the Managing Director.
7. 10% of contract value after successful trial and performance test of entire system and certified by the CSPDCL.
8. 05% of contract value after successful completion of AMC period.

Required Document for TENDER

1. EMD deposit slip.
2. GST registration Certificate.
3. PAN card.
4. Three Year I.T.R (2018-19, 2019-20 & 2020-21)
5. Annexure A, B, C, D, E & F with supporting documents.
6. "A" CLASS Electrical contractors registered certificate issued from the office of Chief Electrical Inspectorate(CEI) office Raipur.

Bill OF Material of Project: Switchyard for 11/33Kv 05 MVA Switchyard Project.				
S.No	DESCRIPTION	Unit	Qty	Make
A	33 kV Switchyard . (Trafo Bay) -			
1	PVC, armoured Aluminium, XLPE cables, 11 kV UE from HT grid breaker panel to the Switchyard with required indoor & outdoor HT cable termination kit. The length of cable shall be as per requirement of the plant layout.			Make approved by CSPDCL
	a. VCB to Switchyard – 3core x 300 sqm x 2 runs	Mtr	400	Make approved by CSPDCL
	b. Termination	Nos.	8	Make approved by CSPDCL
2	Outdoor Circuit breaker 11kV, 630A, 40kA for 3sec, VCB outdoor kiosk, with motor operation system as well as manual operation mechanism with all accessories. Incoming and outgoing terminals shall be suitable for HT cabling (cable box).	Nos.	1	Make approved by CSPDCL
3	Generator transformer 05 MVA, ONAN/ONAF, 11 kV / 33 kV with OLTC, RTCC with required accessories, 11Kv side suitable for HT cabling (cable box) & 33 kV side suitable for HT bushing. The vector group of the GT shall be YNd1, & frequency shall be 50 Hz. The transformer must be contained in a mild steel radiator cooled tank and confirming to IS 2026/1977. Tapping provided must be on HV windings to obtain a variation of +10 / -15% in steps of 1.25% each. The tapping shall be controlled by an ON-LOAD TAP CHANGER for Bi-directional power flow. The transformer shall be with fitting and accessories as per the system requirement. Other parameters shall be as under on ONAN rating of the GT – Impedance Voltage = 10% Max. No load losses = 8 kW Max. Full load loss = 40 kW.	Set	1	Make approved by CSPDCL
4	33 kV, 10 kA, Discharge Class 2, Station Class, Metal Oxide, (Gapless) Surge (lighting) Arrester for solidly earthed neutral system with accessories.	Nos.	3	Make approved by CSPDCL

5	33 kV, 630A, , Triple Pole Isolator with insulators, operating pipe, On / Off Indication, Auxiliary Contacts, Locking arrangement for bay extension in/out, motorised operated without earthing switch, mounted on structure.	Set	1	Make approved by CSPDCL
6	33 kV, 800A, , Porcelain Clad outdoor type, VCB Circuit Breaker, Suitable for Electrical Operation, with Local Control Panel etc.	Set	1	Make approved by CSPDCL
7	33 kV, 400-200/1 A, CI 0.2, 20 VA, 5 core, , Outdoor Oil filled, Vacuum impregnated, Single Phase, Live Tank type Current Transformers having cores for metering, protection & class PS. Metering shall be with 0.2 class accuracy.	Nos.	3	Make approved by CSPDCL
8	Potential transformers, 100 VA, 3 core, Outdoor type, Single Phase, Oil filled, Vacuum impregnated, Voltage Transformers of Electromagnetic type (1 set for protection, 1 set for sync. and 1 set for metering), suitable for structure mounting.	Nos.	3	Make approved by CSPDCL
9	Generator Transformer Protection, Control and Relay Panel (Numeric Relay - MICOM make with df/dt relay, with separate Vector Surge relay)	Lot	1	Make approved by CSPDCL
10	33 kV, 800A, , Triple Pole Isolator with insulators, operating pipe, On / Off Indication, Auxiliary Contacts, Locking arrangement for bay extension in/out, motorised operated with earthing switch, mounted on structure.	Set	1	Make approved by CSPDCL
B 33 kV Switchyard (Metering Bay) -				
1	33 kV, 800A, , Triple Pole Isolator with insulators, operating pipe, On / Off Indication, Auxiliary Contacts, Locking arrangement for bay extension in/out, motorised operated with earthing switch, mounted on structure.	Set	1	Make approved by CSPDCL
2	Export / Import Meter (ABT meter – main and check)	Nos.	2	Make approved by CSPDCL
3	33 kV, 200/1 A, CI 0.2s, 20 VA, 2 core, , Outdoor Oil filled, Vacuum impregnated, Single Phase, Live Tank type Current Transformers having cores for metering, spare. Metering shall be with 0.2s class accuracy.	Nos.	6	Make approved by CSPDCL
4	Potential transformers, 100 VA, 2core, Outdoor type, Single Phase, Oil filled, Vacuum impregnated, Voltage Transformers of Electromagnetic type suitable for structure mounting.	Nos.	6	Make approved by CSPDCL
5	33 kV, 800A, , Triple Pole Isolator with insulators, operating pipe, On / Off Indication, Auxiliary Contacts, Locking arrangement for bay extension in/out, motorised operated without earthing switch, mounted on structure.	Set	1	Make approved by CSPDCL
C 33 kV Switchyard Line Bay at Plant side				
1	33 kV, 10 kA, Discharge Class 2, Station Class, Metal Oxide, (Gapless) Surge (lighting) Arrester for solidly earthed neutral system with accessories.	Nos.	3	Make approved by CSPDCL

2	33 kV, 800 A, , Triple Pole Isolator with insulators, operating pipe, On / Off Indication, Auxiliary Contacts, Locking arrangement for bay extension in/out, motorised operated without earthing switch, mounted on structure.	Set	1	Make approved by CSPDCL
3	33 kV, 800A, , Porcelain Clad outdoor type, VCB Circuit Breaker, Suitable for Electrical Operation, with Local Control Panel etc.	Set	1	Make approved by CSPDCL
4	33 kV, 400-200/1 A, CI 0.2, 20 VA, 3 core, , Outdoor Oil filled, Vacuum impregnated, Single Phase, Live Tank type Current Transformers having cores for metering, protection & class PS. Metering shall be with 0.2 class accuracy.	Nos.	3	Make approved by CSPDCL
5	Potential transformers, 100 VA, 3 core, Outdoor type, Single Phase, Oil filled, Vacuum impregnated, Voltage Transformers of Electromagnetic type (1 set for protection, 1 set for sync. and 1 set for metering), suitable for structure mounting.	Nos.	3	Make approved by CSPDCL
6	33kv line Protection, Control and Relay Panel (Numeric Relay - MICOM make with df/dt relay, Vector Surge relay)	Lot	1	Make approved by CSPDCL
7	33 kV, 800A, , Triple Pole Isolator with insulators, operating pipe, On / Off Indication, Auxiliary Contacts, Locking arrangement for bay extension in/out, motorised operated with earthing switch, mounted on structure.	Set	1	Make approved by CSPDCL
D Common Equipments for 33 kV Switchyard -				
1	G.I. structure for 33kV switchyard as per Layout Drg .	MT	15	Make approved by CSPDCL
2	Copper control cables required for switchyard.	Lot	1	Make approved by CSPDCL
3	G.I. earthing material, i.e. G.I. flat, pipe, C.I. earthing cover, all type of hardware, charcoal & salt as per standard requirement.	Lot	1	Make approved by CSPDCL
4	Open Bus Bar materials - a. ASCR conductor - zebra for bus bar b. Necessary clamps & connectors including suspension and tension hardware (Al) c. Shield wire d. Bus Post Insulators	Lot	1	Make approved by CSPDCL
5	Disc Insulator String - a. Disc Insulator string for tension b. Disc Insulator string for suspension	Lot	1	Make approved by CSPDCL
6	Illumination with fixtures & cables, SLDB etc. - a. Flood Light fittings 400W MH with switch Box, etc. b. Control Room Building Lighting	Lot	1	Make approved by CSPDCL
7	Required cables from MLDB to SLDB, SLDB to fixtures shall be provided along with required cable termination material.	Lot	1	Make approved by CSPDCL
8	110V DC, 100AH, totally enclosed maintenance free lead acid battery and battery charger with stand, interrow cell connections & necessary accessories	Nos.	1	Make approved by CSPDCL

	9	Marshalling Kiosk / Junction boxes for switchyard	Lot	1	Make approved by CSPDCL
	10	AC Distribution Board wall mounting type	Nos.	1	Make approved by CSPDCL
	11	Safety Devices as per TAC - Fire extinguishers (1 no. DCP-5 kg & 2 nos. CO2-4.5 kg), Rubber mats (In front of C&R panels provided), Rubber gloves, First aid chart, First aid box, Earthing rods.	Lot	1	Make approved by CSPDCL
	12	RTU for LDC	Lot	0	Make approved by CSPDCL
E		Scope of Services -			
	1	Liaisoning with Electrical Inspector for load sanctioning and up to release of power. Preparation of drawings, submission to Board and getting approval. (CSEB/ SLDC / CEIG approved)	Lumpsum	0	
	2	All Civil work, Excavation of normal / hard soil, cement concrete for foundations, cable trench, controlroom, metering room, Gate fencing support, backfilling, including supply of materials like sand, cement, steel etc. for Transformer bay , metering bay ,control room, cable trench, levelling fencing ,gate etc	Lumpsum	0	
	3	Complete transportation to site, testing and commissioning of the system and handing over.	Lot	1	

ANNEXURE-A

घोषण पत्र

में.....प्रोपराइटर/अधिकृत हस्ताक्षरी/पार्टनर मेसर्स.....
.....आज दिनांक.....को एतद् द्वारा घोषणा करता हूँ कि :-

१. मेरी फर्म को मुख्य विद्युत निरीक्षक सह विद्युत सुरक्षा कार्यालय छत्तीसगढ़ शासन द्वारा 'अ' श्रेणी का विद्युत लायसेंस जारी किया गया है, जिसका क्रमांकदिनांक.....और वैधता दिनांक.....तक है। मेरा लाइसेंस चालू हालत में है, जिसे निलंबित नहीं किया गया है।
२. मेरी फर्म जी.एस.टी. विभाग छत्तीसगढ़ शासन में पंजीकृत है। जिसका पंजीयन क्रमांक.....दिनांक..... है।
३. मेरी फर्म आयुक्त भविष्य निधि छत्तीसगढ़ शासन में पंजीकृत है। जिसका पंजीयन क्रमांक..... है। उक्त पंजीयन..... नग श्रमिकों के लिए जारी किया गया है। मेरी फर्म में स्वीकृत सीमा के अंदर ही श्रमिक कार्यरत है।
४. मेरी फर्म का पंजीयन ई.एस.आई.सी. (Employee State Insurance Corporation) कार्यालय में है, जिसका पंजीयन क्र. एवं वैधता दिनांक.....तक है।
५. मैं हेडर में उल्लेखित टेंडर का कार्य करने हेतु छ.ग.स्टे. पा.डि.कं.लिमि. रायपुर द्वारा अनुमोदित वेंडरों से तय तकनीकी स्पेसिफिकेशन (मानक स्तर) के अनुरूपसामाना क्रय कर टेंडर को कार्य में लगाऊंगा।

यदि उपरोक्त जानकारी गलत पाई गई तो मेरी फर्म को संदर्भित टेंडर में न्यूनतम दर होने के बाद भी छ.ग.स्टे.पा.डि.कं.लिमि. को आदेश जारी नहीं करने का अधिकार होगा। इसके अतिरिक्त कंपनी अन्य निर्णय भी ले सकती है।

(हस्ताक्षर).....
(नाम).....
दिनांक.....
टेकेदार/फर्म की सील

CERTIFICATE

ANNEXURE-B

This is to certify that I have read the tender document of subjected tender no (as per header) for an amount of Rs. For **Complete Engineering Drawing, Design, Procurement, Supply, Commissioning, Testing & Trial of Power Export to CSPDCL for power export. With 02 year AMC All work of 3MW 11/33 KV Switch Yard Station at Maa Mahamaya Sahkari Shakkar Karkhana Maryadit. Ambikapur, kerta, Distt. – Surajpur (C.G)** and fully agree with all terms and conditions. I will abide by all rules and regulations of the above said Tender failing which MMSSK will have all the rights to forfeit my PEMD and debar me. Please consider this document as signed tender document for the above.

Encl: Registration copy, Annexure "A", "C", "D", "E" and "F" duly filled.

SIGN and SEAL OF TENDERER

PARTICULARS OF THE CONTRACTORS

ANNEXURE-C

- 1- Name and address of the contractor _____
- 2- Particulars of registration and class in which registered -----
- 3- Details of works COMPLETED or IN HAND by the Tenderer FOR ORDER PLACED by CSPDCL-

S N	Name of work	Contract/ Work Order no and date	Value of Order (Rs.)	Order issued by	Quantum of work		Probable date of completion	Reasons for delay
					Comple ted	Pending		

- (i)
- (ii)
- (iii)
- (iv)
- (v)
- (vi)
- (vii)

I/ We personally certify that there is no work other than mentioned in above table IN HAND OR COMPLETED for which work order have been placed by CSPDCL on me/us. In case the above information is not found correct, MMSSK may reject instant tender in spite of being lowest bidder and may terminate the contract at any moment.

LIST OF PERSONS WORKING WITH THE CONTRACTOR -ANNEXURE-D

S.No.	Name	Designation In contractor's Firm	Age	Qualification
NEAR RELATIVES IN CSPDCL				
S.No.	Name	Designation in CSPDCL	Place of posting at present	Relation with the contractor

ANNEXURE-E

CERTIFICATE

I am proprietor/partner in following firms registered in the office of CEI office Naya Raipur:-

S.No.	Name of firm	Registration No.	Valid up to

1. Out of firms mentioned in above table, our firm Registration no.....is participating in the tender as mentioned in header.
2. No firm, other than above mentioned firm in point-1 have participated in your office tender as mentioned in header.
3. However, if our any other firm, other than mentioned in point-1 is found participating in this tender, CSPDCL may cancel all the bids submitted by the firms in which I am proprietor/partner, on ground of conflict of interest.

Signature :

Name :

Name of Firm's/Contractor.....

ANNEXURE-E

Our firm is participating in your office tender as mentioned in header. Our firm have filed last five financial years up to 2020-21 turnover as detailed below and proof to be attached: -

S.No.	Assessment Year	Turn Over

And Below Details are given as four number of switch yard erection & commissioning as under: -

- 1-----
- 2-----
- 3-----
- 4-----

Note: - Proof to be attached

Signature :

Name :

Date.....

Seal of Firm/Contractor.....