



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 04

Ref: PSER:SCT:PSC-E1992:TCN-04

Date: 31-12-2019

| Sub | Tender Change Notice (TCN) - 04 | |
|-----|---|---|
| Job | ERECTION AND TESTING WORK OF GENERATOR TRANSFORMERS(GT), SHUNT REACTOR(SR) AND AUTO/ INTER-CONNECTING TRANSFORMER(CT) AND DRY TYPE TRANSFORMERS AT UNDERGROUND POWER HOUSE CAVERN, POT HEAD YARD AND OTHER VARIOUS LOCATIONS AND ASSOCIATED MATERIAL MANAGEMENT & HANDLING ALONG WITH LOCAL TRANSPORTATION AT 6X200 MW PUNATSANGCHHU-I HYDROELECTRIC PROJECT, BHUTAN. | |
| Ref | 1.0 | Tender no PSER:SCT:PSC-E1992:19 |
| | 2.0 | BHEL's NIT, vide reference no PSER:SCT:PSC-E1992: 7661, Date: 23-11-2019 |
| | 3.0 | BHEL's TCN-01, vide reference no PSER:SCT:PSC-E1992:TCN-01, Date: 06-12-2019. |
| | 4.0 | BHEL's TCN-02, vide reference no PSER:SCT:PSC-E1992:TCN-02, Date: 16-12-2019 |
| | 5.0 | BHEL's TCN-03, vide reference no PSER:SCT:PSC-E1992:TCN-03, Date: 30-12-2019 |
| | 6.0 | Other References, if any. |

With reference to above, following points/ documents, relevant to tender, may please be noted and complied with while submitting offer.

- 1) Revised Price Schedule, **VOLUME-III-PRICE SCHEDULE, REV-01** is attached superseding **VOLUME-III-PRICE SCHEDULE, REV-00** issued earlier along with NIT. **Bidders shall quote as per this revised Volume-III, Rev-01 only.** Bidders are also requested to submit a declaration in techno-commercial offer that they have submitted their price bid as per **REVISED Price Schedule** format.
- 2) Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 3) All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

Sr. Engineer (SCT)

Encl: As Above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : (033) 2339-8000/ 2339 8231

FORMAT FOR NO DEVIATION CERTIFICATE
(To be submitted in the bidder's letter head)

BHARAT HEAVY ELECTRICALS LIMITED,
 Power Sector - Eastern Region,
 Plot no 9/1, DJ Block, Sector – II, Salt Lake City,
Kolkata – 700 091

| | | |
|-----|--|---|
| Sub | No Deviation Certificate. | |
| Job | ERECTION AND TESTING WORK OF GENERATOR TRANSFORMERS(GT), SHUNT REACTOR(SR) AND AUTO/ INTER-CONNECTING TRANSFORMER(ICT) AND DRY TYPE TRANSFORMERS AT UNDERGROUND POWER HOUSE CAVERN, POT HEAD YARD AND OTHER VARIOUS LOCATIONS AND ASSOCIATED MATERIAL MANAGEMENT & HANDLING ALONG WITH LOCAL TRANSPORTATION AT 6X200 MW PUNATSANGCHHU-I HYDROELECTRIC PROJECT, BHUTAN. | |
| Ref | 1.0 | Tender no PSER:SCT:PSC-E1992:19 |
| | 2.0 | BHEL's NIT, vide reference no PSER:SCT:PSC-E1992:7661, Date: 23-11-2019 |
| | 3.0 | BHEL's TCN-01, vide reference no PSER:SCT:PSC-E1992:TCN-01, Date: 06-12-2019. |
| | 4.0 | BHEL's TCN-02, vide reference no PSER:SCT:PSC-E1992:TCN-02, Date: 16-12-2019. |
| | 5.0 | BHEL's TCN-03, vide reference no PSER:SCT:PSC-E1992:TCN-03, Date: 30-12-2019. |
| | 6.0 | BHEL's TCN-04, vide reference no PSER:SCT:PSC-E1992:TCN-04, Date: 31-12-2019. |
| | 7.0 | All other pertinent issues till date. |

Dear Sirs,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted/uploaded offer/documents in accordance with tender instructions with acceptance of the terms & conditions of the tender by us and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized representative of the bidder)

Name of Job: Erection and testing work of generator transformers(GT), shunt reactor(SR) and auto/inter-connecting transformer(ICT) and dry type transformers at underground power house cavern, pot head yard and other various locations and associated material management & handling along with local transportation at 6X200 MW Punatsangchhu-I Hydroelectric Project, Bhutan.

VOLUME-III

PRICE SCHEDULE REV.: 01

TENDER NO - PSER:SCT:PSC-E1992:19

PREAMBLE

| SL. NO. | DESCRIPTION |
|---------|---|
| 1.0 | This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully before filling in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender and other tender sections as applicable and shall have precedence over any contrary statement mentioned any where in this document. |
| 2.0 | The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions. Drawings enclosed with the tender are only preliminary and for guidance/tender purposes giving some idea of the work involved. The work is to be executed as per terms & conditions of the tender and actual drawings/documents, which shall be furnished during execution. |
| 3.0 | Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer. |
| 4.0 | Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment, strengthening of roads/culverts/bridges etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the complete tender document and this schedule. |
| 5.0 | The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or be deleted altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains, within fifteen percent ($\pm 15\%$) of the awarded price as per LOI. |
| 6.0 | Prior written approval of BHEL shall be sought by the contractor in case quantity variation of any item crosses +50% (plus fifty percent) limit during execution and approval to be obtained before execution of further quantity for this item. |
| 7.0 | In case Sealed /Paper Price Bids are opened for finalisation of the tender, for any Item Rate/BOQ based service contract, possibility of variation of quantity/ addition/deletion of items can not be ruled out. Under such circumstances, after execution of work, if it is observed that standing as L-1 is changed based on actual quantity executed, the bidder shall give suitable rebate to maintain your standing as L-1. Since this aspect can be assessed at the end of execution, necessary adjustment will be effected at the end of execution in final bill. This condition shall not be applicable where the tender is finalised through Reverse Auction. |
| 8.0 | BHEL reserve the right to rationalize the rates, quoted by L-1 bidder against unit rate items and/ or other optional items with respect to item-wise lowest rates (amongst the participating bidders), before placement of order. The rates of unit rate/optional items shall remain valid till execution of the order, if the job/work is awarded to the bidder. |
| 9.0 | The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing, clearing of old structures and leveling etc. including fixing of grid pillars, benchmarks etc. required for commencement of site activities. No separate payment will be made towards the same. However, if separate rate for such item is available in the rate schedule, the same shall be considered. |
| 10.0 | Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English language. |
| 11.0 | All works item wise shall be measured upon completion and paid for at the rates quoted and accepted as per BHEL approved payment schedule/billing break-up. |
| 12.0 | The tenderer shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site before submission of his bid/offer. No claim whatsoever due to lack of knowledge of site conditions shall be entertained after award of the work. |
| 13.0 | No splitting of the job is envisaged unless the same is specifically indicated in the TCC/Vol-1F. Decision of BHEL in this regard shall be final and binding to the bidders. |
| 14.0 | Bidders are not allowed to alter the Price Schedule format including item description, quantity etc. and the offer is liable for rejection if the bidders submit their prices in Price Schedules modified by them. BHEL reserves the right to reject the offers of bidders who submit offers in Price Formats which are modified/altered by them. Also putting any comments instead of rates/price in the designated column of the rate schedule shall make the offer liable for rejection. |

| | |
|------|--|
| 15.0 | Bidders to note that for Civil &/Structural packages, against a particular item against a ST No. appearing in more than one schedule of the BOQ, same rate must be quoted in all schedules for that particular items with same descriptions. If by error, different rates are quoted in different schedules for same ST No.(i.e. item with same description), then the higher of the rates shall be considered for evaluation but awarding shall be done with the lower rate ,if the bidder becomes L-1. The same modality shall be applicable for other item rate service contracts where item with same description is repeated in different schedules. |
| 16.0 | For Lumpsum Service Contract : The items/components indicated in the tender is indicative and may vary to any extent. No compensation shall be payable in case of any variation in the items/components listed in the bill of quantities if the executed weight remains within the variation limit. However, in case of deletion of any item or addition of new items over and above the items listed or variation of existing quantity beyond variation limit specified, adjustment (i.e. Payment or recovery as the case may be) shall be done on pro-rata basis based on the Rate per MT worked out from the quoted lump-sum Price and the total weight of components listed /indicated in price schedule plus 15% weight variation limit. |
| 17.0 | Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract. |
| 18.0 | In case of tender for Civil and/or Structural works,if the Non-schedule items are not quoted by the bidder, it will be treated at par with rate of corresponding item of CPWD/PWD/DSR schedule as prescribed in the tender/BOQ cum Rate Schedule. PVC/escalation is not payable for these Non-scheduled items. |
| 19.0 | No interest, whatsoever, shall be payable by BHEL on the security deposit, any bank guarantee submitted or any amount due to successful bidder/contractor. No idling charge whatsoever (either for labour or any other resources) is payable by BHEL for any reason whatsoever. |
| 20.0 | Size and weights of various items are mentioned in the attached BOQ cum rate/price schedule/TCC/ drawing for reference purpose only & these shall not be taken into consideration for quoting/calculating amount in the rate schedule. These shall be utilised as per relevant sections of tender. Bidders shall quote for each item in the rate column, taking unit as mentioned in the quantity column. Rates shall be filled in both figures and words. Amount shall be calculated based upon these rates multiplied by the mentioned quantity for the respective items. |
| 21.0 | Bidder's Total price shall be considered for evaluation unless stated otherwise. |
| 22.0 | In case of BOP packages, if Bidder does not quote/indicate the price for freight charges against indicated rate schedule, the same shall be considered as 2% of basic price and adjusted with the total quoted price against each item keeping the total quoted price unaltered. |

| Name of Job: Erection and testing work of generator transformers(GT), shunt reactor(SR) and auto/ inter-connecting transformer(ICT) and dry type transformers at underground power house cavern, pot head yard and other various locations and associated material management & handling along with local transportation at 6X200 MW Punatsangchhu-I Hydroelectric Project, Bhutan. | | | |
|--|---|-----------------------------|-------------------------|
| VOLUME-III | | | |
| PRICE SCHEDULE REV.: 01 | | | |
| TENDER NO - PSER:SCT:PSC-E1992:19 | | | |
| SCH-1 - TOTAL PRICE | | | |
| Sl. No. | Description | PRICE SCHEDULE REF | TOTAL PRICE (IN INR) |
| 1 | Total Price for Erection, Testing, as applicable and handing over to Customer, of 82 MVA, 13.8/420/ 1-Phase Oil Filled GT with auxiliaries – 20 nos. 80 MVA, 13.8/420/ 3-Phase Oil Filled Shunt Reactor with auxiliaries - 1 no, 105 MVA, 1Φ, Oil Filled 420KV/ 220KV Inter-Connecting Transformer (ICT)/ Auto Transformer with auxiliaries - 4 nos, Dry Type Transformers- 24 nos. and associated material management & handling along with local transportation, as per specification, terms & conditions of tender taking into account all clarifications, confirmations and agreements for 6X200 MW Punatsangchhu - I Hydroelectric Project, Wangdue, Bhutan. | SCH-2- TOTAL PRICE BREAK UP | |
| NOTE: | | | |
| (i) | Bidders shall quote total price for the entire scope of work at sl.no.1.0 above. Bidder to note that total price quoted above shall be considered for evaluation & awarding. As such total price should be complete in all respect for the full scope defined and considering all terms and conditions. | | |
| (ii) | All other amounts / rates of each item of works in respective schedules / parts will be derived based on allocated percentages / weightages. As such, any uncalled figure / amount noted at any other place / schedule, will not be recknoed & will stand null & void. | | |
| (iii) | Bidder's quoted total price at Sl. No 1 above, respectively shall be apportioned into amount of various items of works based on allocated percentages against respective item, in respective schedules / parts.(SCH-2 & SCH-3) .As such, bidder shall not indicate / quote any amount / rate in these schedules / parts and any amount / rate quoted against any item shall not be taken into cognizance / account and offer may be liable for rejection. | | |
| (iv) | Based on the item wise percentage allocations, the amount for the individual items of the Bill of Quantity shall be arrived at. The rates of individual items shall be derived from the amount against each items after rounding off . | | |
| (v) | Successful bidder shall obtain approval / clearance of BHEL in writing for' equivalent' make of any item, appearing in the schedules/ parts, before procurement & supply of items to site. | | |
| (vi) | Any item as per scope of work, if not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection. | | |
| (vii) | Price format shall not be changed by bidder in any case and it may lead to cancellation of their offer. | | |
| (viii) | Taxes and duties shall be as per tender provisions. | | |

Name of Job: Erection and testing work of generator transformers(GT), shunt reactor(SR) and auto/ inter-connecting transformer(ICT) and dry type transformers at underground power house cavern, pot head yard and other various locations and associated material management & handling along with local transportation at 6X200 MW Punatsangchhu-I Hydroelectric Project, Bhutan.

VOLUME-III

PRICE SCHEDULE REV.: 01

TENDER NO - PSER:SCT:PSC-E1992:19

SCH-2 - TOTAL PRICE BREAK UP

| SL. NO. | DESCRIPTION | PRICE SCHEDULE REF | WEIGHTAGE |
|--------------|--|-----------------------|------------|
| A-I A | ERECTION, TESTING AND HANDING OVER TO THE CUSTOMER OF OIL FILLED TRANSFORMERS (AS PER TCC). | SCH-3- PRICE BREAK-UP | 0.82933751 |
| A-I B | INSTALLATION & TESTING AND HANDING OVER TO THE CUSTOMER OF DRY TYPE RESIN CAST TRANSFORMERS WITH METAL ENCASING (AS PER TCC). | | 0.09227942 |
| A-I C | MATERIAL MANAGEMENT INCLUDING LOCAL TRANSPORTATION ETC. AS PER TCC. | | 0.07838307 |
| TOTAL | | | 1.00000000 |
| NOTE: | | | |
| (i) | Bidder shall refer price schedule SCH-3. | | |
| (ii) | Unloading and placement of Transformers at site on rail is completed for all 25 Transformers. | | |
| (iii) | Three Generator Transformers are to be dragged to position by 20 meters, 40 meters and 70 meters to place in position. Remaining 22 Transformers have been placed in position. | | |
| (iv) | Erection Agency is required to align HV bushings of Oil Filled Transformers & Reactor with GIS during erection. | | |
| (v) | Material Management work includes handing over of mandatory spares including oil etc. to customer and local transportation to Customer Stores. | | |

Name of Job: Erection and testing work of generator transformers(GT), shunt reactor(SR) and auto/ inter-connecting transformer(ICT) and dry type transformers at underground power house cavern, pot head yard and other various locations and associated material management & handling along with local transportation at 6X200 MW Punatsangchhu-I Hydroelectric Project, Bhutan.

VOLUME-III

PRICE SCHEDULE REV.: 01

TENDER NO - PSER:SCT:PSC-E1992:19

SCH-3 - PRICE BREAK-UP

| A-I A ERECTION, TESTING AND HANDING OVER TO THE CUSTOMER OF OIL FILLED TRANSFORMERS (AS PER TCC): | | | | | |
|--|---|---|-------------------|----------------------------|-------------------|
| Sl. No. | Type of Transformers | Location of Installation | Qty. (No.) | Unit of Measurement | Weightage |
| 01 | GT: Alignment of HV busings with GIS and Final Erection of 82.0 MVA, 420/ 13.8, 1Φ Generator Transformer [Transport Weight= 78.65 M. Ton, Oil Capacity= 26.0 K. Liters] and Erection of auxiliaries, Filtration, Filling & Circulation of oil in Transformers with own Filtration Plant & Primary Oil Tank, Testing of Oil, Testing of Transformer, Completion of Cabling, Commissioning of instruments and auxiliaries, Final Painting, handing over to customer along with associated auxiliaries as per specification in TCC. | Under Ground Transformer Cavern El. 848.0 m | 20 | No. | 0.65208071 |
| 02 | SR: Alignment of HV busings with GIS and Final Erection of 80.0 MVA, 420KV, 3Φ, Shunt Reactor [Transport Weight= 80.0 M. Ton, Oil Capacity= 41.38 K. Liters] and Erection of auxiliaries, Filtration, Filling & Circulation of oil in Reactor with own Filtration Plant & Primary Oil Tank, Testing of Oil, Testing of Reactor, Completion of Cabling, Commissioning of instruments and auxiliaries, Final Painting, handing over to customer along with associated auxiliaries as per specification in TCC. | | 1 | No. | 0.03272653 |
| 03 | ICT: Alignment of HV busings with GIS and Final Erection of 105.0 MVA, 400/ 220KV, 1Φ Auto/ Inter-Connecting Transformer (ICT) [Transport Weight= 75.50 M. Ton, Oil Capacity= 40.0 K. Liters] and Erection of auxiliaries, Filtration, Filling & Circulation of oil in Transformer with own Filtration Plant & Primary Oil Tank, Testing of Oil & Transformer, Field Cabling, Commissioning of instruments and auxiliaries, Final Painting, handing over, with associated auxiliaries as per specification in TCC. | Over Ground Pot Head Yard El. 893.0 m | 4 | No. | 0.14453027 |
| | | | TOTAL | | 0.82933751 |

| A-I B INSTALLATION & TESTING AND HANDING OVER TO THE CUSTOMER OF DRY TYPE RESIN CAST TRANSFORMERS WITH METAL ENCASING (AS PER TCC): | | | | |
|---|---|--------------|---------------------|-------------------|
| Sl. No. | Type of Transformers | Qty. (No.) | Unit of Measurement | Weightage |
| 01 | UAT1 of 800 KVA, 13.8/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Bus Duct Gallery U# 1&2. Weight: 4.8 MT. | 1 | set | 0.00347133 |
| 02 | UAT2 of 800 KVA, 13.8/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Bus Duct Gallery U# 1&2. Weight: 4.8 MT. | 1 | set | 0.00347133 |
| 03 | UAT3 of 800 KVA, 13.8/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Bus Duct Gallery U#3&4. Weight: 4.8 MT. | 1 | set | 0.00347133 |
| 04 | UAT4 of 800 KVA, 13.8/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Bus Duct Gallery U# 3&4. Weight: 4.8 MT. | 1 | set | 0.00347133 |
| 05 | UAT5 of 800 KVA, 13.8/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Bus Duct Gallery U# 5&6. Weight: 4.8 MT. | 1 | set | 0.00347133 |
| 06 | UAT6 of 800 KVA, 13.8/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Bus Duct Gallery U# 5&6. Weight: 4.8 MT. | 1 | set | 0.00347133 |
| 07 | SAT-1 of 5000 KVA, 13.8/11.00 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Bus Duct Gallery U# 1&2. Weight: 16.0 MT. | 1 | set | 0.01157108 |
| 08 | SAT-2 of 5000 KVA, 13.8/11.00 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Bus Duct Gallery U# 5&6. Weight: 16.0 MT. | 1 | set | 0.01157108 |
| 09 | SST-1 of 1600 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: S/B AY Annexe Floor El.848.0 m. Weight: 6.7 MT. | 1 | set | 0.00484539 |
| 10 | SST-2 of 1600 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: S/B AY Annexe Floor El.848.0 m. Weight: 6.7 MT. | 1 | set | 0.00484539 |
| 11 | SST-3 of 1250 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Gen. Floor El.843.0 m near U# 1. Weight: 5.7 MT. | 1 | set | 0.00412220 |
| 12 | SST-4 of 1250 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Gen. Floor El.843.0 m near U# 1. Weight: 5.7 MT. | 1 | set | 0.00412220 |
| 13 | SST-5 of 800 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: TR Hall Annexe Floor Adit Side El.857.5 m. Weight: 4.6 MT. | 1 | set | 0.00332669 |
| 14 | SST-6 of 800 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: TR Hall Annexe Floor Adit Side El.857.5 m. Weight: 4.6 MT. | 1 | set | 0.00332669 |
| 15 | SST-7 of 800 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Pot Head Yard Container at El. 893.0 m. Weight: 4.6 MT. | 1 | set | 0.00332669 |
| 16 | SST-8 of 800 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Pot Head Yard Container at El. 893.0 m. Weight: 4.6 MT. | 1 | set | 0.00332669 |
| 17 | SST-13 of 630 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Dam Site Container. Weight: 4.0 MT. | 1 | set | 0.00289277 |
| 18 | SST-14 of 630 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Dam Site Container. Weight: 4.0 MT. | 1 | set | 0.00289277 |
| 19 | SST-9 of 400 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Penstock BF Valve Cavern. Weight: 2.8 MT. | 1 | set | 0.00202494 |
| 20 | SST-10 of 400 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: Penstock BF Valve Cavern. Weight: 2.8 MT. | 1 | set | 0.00202494 |
| 21 | SST-11 of 250 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: TRT Outfall Container. Weight: 2.5 MT. | 1 | set | 0.00180798 |
| 22 | SST-12 of 250 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: TRT Outfall Container. Weight: 2.5 MT. | 1 | set | 0.00180798 |
| 23 | ST-15 of 250 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: De-Siltation Chamber. Weight: 2.5 MT. | 1 | set | 0.00180798 |
| 24 | SST-16 of 250 KVA, 11.0/0.433 KV, Resin Cast, Dry Type, with Metal Encasing Transformer & accessories. Place of Installation: De-Siltation Chamber. Weight: 2.5 MT. | 1 | set | 0.00180798 |
| | | TOTAL | | 0.09227942 |

| A-I C | MATERIAL MANAGEMENT INCLUDING LOCAL TRANSPORTATION ETC. AS PER TCC: | | | |
|---------|---|------------|---------------------|------------|
| Sl. No. | Type of Transformers | Qty. (No.) | Unit of Measurement | Weightage |
| 01 | Unloading & Receipt with own arrangement of Resin Cast, Dry Type Transformers along with Auxiliaries, <i>Auxiliaries of GTs, ICTs and Shunt Reactor including Turrets, Bushings, CTs, Instruments, Instrument Transformers, Conservators with brackets, oil & Water pipe lines, Heat Exchangers, radiators, panels, marshalling kiosks, OLTC, RTCC, cables etc.</i> at BHEL store, Verification of all items including already received transformer items, Issue from Store, Loading at store, Local Transportation from store to erection sites, Un-loading at site with own arrangements, watch & ward, etc. as per technical specification and terms & conditions of tender taking into account all clarifications, confirmations and agreements during bidding. | 377.6 | MT | 0.02285323 |
| 02 | Receipt of Transformer Oil, at BHEL store, verification of all items including already received oils, Loading at store with own arrangement, Local Transportation from store to Transformer site, Un-loading, watch & ward, etc. as per technical specification and terms & conditions of tender taking into account all clarifications, confirmations for all six units. (1 Drum = 209 Ltrs) | 4390 | drum | 0.05552984 |
| | | TOTAL | | 0.07838307 |