



## NAYA RAIPUR DEVELOPMENT AUTHORITY

Utility block, Capitol Complex, Sector- 19, Naya Raipur- 492 002, Chhattisgarh  
Tel No: + 91 771 2511500; Fax No.: +91 771 2511400., Website: [www.navaraipur.com](http://www.navaraipur.com)

### Corrigendum -2

**Name of the Work:** “Design, Supply, Installation, Testing ,Commissioning and operation & maintenance of two years of Electrical Infrastructure Development for Various Sectors at Naya Raipur”, With reference to NIT No.: 149 /EI-SEC/ELECT /CE(E)/NRDA/2016-17 , Naya Raipur Dated: 28.12.2016” The following Corrigendum-2 is made.

Sr. No.	Description	In place of	Read As
01	Last Date and time of submission of Tender	18-01-2017 15.00Hrs	& 24-01-2017 & 15.00Hrs
02	Date and time of opening of Tender	18-01-2017 16.00Hrs	& 24-01-2017 & 16.00Hrs

**Clarifications based on Pre bid queries received is provided in Annexure A .The same shall form part of agreement .All other terms and condition shall remain same.**

नया रायपुर – मेरा रायपुर

Chief Executive Officer

**ANNEXURE A**

**Reply to Pre Bid Queries**

Design, Supply, Installation, Testing ,Commissioning and operation & maintenance of two years of Electrical Infrastructure Development for Various Sectors at Naya Raipur

NIT No. : 149 /EI-SEC/ELECT /CE(E)/NRDA/2016-17, Naya Raipur

Dated: 28 .12.2016

Sl.	No. Title/Item No.	Description	Bidders Queries	Clarification
1	BOQ Sheet Infrastructure S.No. A (1) For 33 kv System		In 33 Kv RMU Termination Kit for Suitable Size of Cable is asked for while there is separate BOQ Item for Termination kit is given S.No. 3. Please clarify weather we have to Consider the Cost for Termination Kit in S. No. 1 or not.	In 33 Kv RMU'S touch proof kits are required
2	BOQ Sheet Infrastructure S.No. A (2) For 33 kv System		Kindly Calrify the Cable for 33 kv & 11 Kv shall be Earthed Type or Uearthed Type	The Cable for 33 kv & 11 Kv shall be Earthed Type
3	BOQ Sheet Infrastructure S.No. A (3) For 33 kv System		In BOQ Indoor type Terminatio Kit is asked for while the RMU is Outdoor Type. Please Clarify wheather we have to consider Indoor type or Outdoor type terminatio Kit.	Indoor type termination kit shall be use
4	BOQ Sheet Infrastructure S.No. A (5) For 33 kv System		Total Quantity of 33 kv Cable is 15810 mtr while quantity 50 x 6 mm GI Strip is 12000 mtr. Running along with 33 kv cable. Please Confirm the Quantity of Strip.	BOQ quantity of 50x6 GI strip is correct
5	BOQ Sheet Infrastructure S.No. A (12) For 33 kv System	Supply, Installation, Testing & Commissioning of indoor, floor mounted 33 KV switchboard comprising of 2 vertical panels with horizontal top bus bars of Al rated for 800 A, VCBs and LBS, in draw out executions. The VCB shall be rated for 36 KV, 18.4kA. The panels shall be complete with all accessories, hard wares etc. as required for completeness, as per attached specification/ drawing, CSPDCL standards and direction of EIC. and as detailed below: · 1no. Panel for controlling OUT GOING with VCB of 1600 A ratings, CTs, PTs, digital Ammeter/ voltmeter/ Static Energy meter, O/C and E/F relay etc. 4nos. Panel for controlling outgoing feeders with VCB of 1600A rating, CTs, digital meter, Static Energy Meters, O/C and E/F relay, auxiliary relays etc. it should be connected to existing panel in sub station and direction of EIC	Kindly provide the SLD of System or clear feeder details . We are not able to understand the requirement from given BOQ item. Intially 2 nos 800 A asked for later 1600 A 1 l/C and 4 o/g is given. Please Clariy.	<b>BOQ Infrastructure S.No. A (12) For 33 kv System</b> <b>Read as</b> Supply, Installation, Testing & Commissioning of indoor, floor mounted 33 KV switchboard comprising of the 2 number vertical panels with horizontal top bus bars of Al rated for 800 A ,draw out type VCB rating 1600 A , 36 KV, 25 kA shall be act as outgoing panel with CT ratio of 400/200/5 amp and will be connected with existing panel in substation. The panel shall have Static Energy Meters, O/C and E/F relay, auxiliary relays etc.The panel shall confirm 61850 protocol & as per CSPDCL standards and direction of EIC.
6	BOQ Sheet Infrastructure S.No. A (1 & 2) For 11 kv System		Kindly Clarify the Type of RMU either Indoor or Outdoor Type.	Out door type RMU shall be use

7	BOQ Sheet Infrastructure S.No. A (13) For 11 kv System	Supply, Installation, Testing & Commissioning of indoor, floor mounted 11KV switchboard comprising of 3 vertical panels with horizontal top bus bars of Al rated for 800 A, VCBs and LBS, in draw out executions. The VCB shall be rated for 12KV, 18.4kA. The panels shall be complete with all accessories, hard wares etc. as required for completeness, as per attached specification/ drawing, CSPDCL standards and direction of EIC. and as detailed below: · 1no. Panel for controlling OUTGOING with VCB of 800 A ratings, CTs, PTs, digital Ammeter/ voltmeter/ Static Energy meter, O/C and E/F relay etc. 4nos. Panel for controlling outgoing feeders with VCB of 400A rating, CTs, digital meter, Static Energy Meters, O/C and E/F relay, auxiliary relays etc	Kindly provide the SLD of System or clear feeder details . We are not able to understand the requirement from given BOQ item. Intially asked for 3 nos while later give 1 I/c and 4 o/G.	<b>BOQ Infrastructure S.No. A (13) For 11 kv System Read as</b> Supply, Installation, Testing & Commissioning of indoor, floor mounted 11KV switchboard comprising of the 3 number vertical panels with horizontal top bus bars of Al rated for 800 A, draw out type VCB rating 800 A 12KV, 18.4kA shall be act as out going panel with CT ratio of 200/100/5 amp and will be connected with existing panel in substation . The panels shall have Static Energy meter, O/C and E/F relay etc. The panel shall confirm 61850 protocol & as per CSPDCL standards and direction of EIC.
8	BOQ Sheet individual S.No. A (12) For 11 kv System		Make Give for LT Panel are OEM like ABB / Schneider / L&T / CG / C&S / SIEMENS. For Such a small size of Panel The OEM Will Not Give there offer. Youe are requested to please accept any CPRI approved vendor or suggest other makes.	No change
9	BOQ Sheet individual & Infrastructure		Kindly Confirm the Foundation of Package Substation shall be billed in Separate Line item given for the Construction of Plienth or to be consider in same line item.	Yes
10	BOQ Sheet individual & Infrastructure		Kindly Confirm Steel Structure used for any where in project shal be bill against Item for MS angle having measurement unit in Kg.	Yes
11	Tender Document Part -1 Schedule D Section-II Scope of Work Page 3 of 5 S.no. 2 (iii)		Operation & Maintenance of 2 year is asked for. The Detail Scope for the same is not given in tender Document. The Same shall be comprehensive Type or not. The Minimum Man-Power required for each Shift. Please provide Battery limit for the Work.	The maintenace is comprehensive type.the man power shall be provided to keep the system 24 X 7 live and also breake down shall be rectified as per CSERC supply code.
12	Tender Document Part -1 Schedule D Section-II Scope of Work Page 3 of 5 S.no. 2 (ix)		The Required deatil asked for with in 15 days which is not possible. As we have to finalise the vendors after award of contract further we can get the details from them. After mobilisation and Survey we are able to submit the other drawings. So you are requested to to extend the Time by 45 days.	No change
13	Tender Document Part -1 Schedule D Section-II Scope of Work Page 4 of 5 S.no. 2 (xi & xii)		As per point no. XI DLP is asked for 2 year while in Xii 4 years for Transformer. The Transformer is part of Package Substation and Part of Distribution System. DLP for 4 yrs specially for Transformer is not possible as the same is part of PSS.	No change
14	Tender Document Part -1 Schedule D Section-III Technical Specification of Work Cable Specification S.No. 2.3.3 Armouring and Service		As per Specification it is asked for galvanised steel wires (flat or Round). As per standard it shall be either FLAT Strip Armoured or Round Wire Armoured. Please clarify which type of Armouring We have to considered.	Round wire shall be used for HT Cables and flat strip for LT cables.
15	Tender Document Part -1 Schedule D Section-III Technical Specification of Work Cable Specification S.No. 2.6.10.5		Kindly clarify the structure shall be Hot Dip Galvanised or Painted Type.	Hot Dip Galvanised shall be used.
16	Tender Document Part -1 Schedule D Section-III Technical Specification of Work Cable Specification S.No. 2.6.9 Laying in Open Duct		Kindly clarify the Exact Length of Open Duct for which RCC cover or Chequered is required if any. As the same is not cleared with given drawing.	Not required

17	Tender Document Part -1 Schedule D Section-III Technical Specification of Work Cable Specification S.No. 2.6.11 Laying on Cable Tray.		Kindly clarify the Exact Length of cable tray and size used for cable laying as there is no such line item given in BOQ.	No cable tray required
18	Tender Document Part -1 Schedule D Section-III Technical Specification of Work Cable Specification S.No. 8 11 kv Oil Type Ring Main Unit.		No Manufacturere Provide Oil Type RMU. Please accept SF6 Type RMU.	No Oil Type RMU is in BOQ item.
19	Tender Document Part -1 Schedule D Section-III Technical Specification of Work Cable Specification S.No. 9.10 Guarantee Period.		As per Specification Guarantee for 24 months is asked for 33 kV RMU. In Case of failiure the same shall be repair/replace with in 48 hr. No Manufacturer provided Guarantee for any Equipment only Waranty will provide for 24 months. RMU is tailer made Equipment and can not supplied in 48 Hr. So You are requested to please add capatial Equipment as mandatory Spares Like 33 kv RMU,11 kv RMU and Package Substation in Line Item. So Future Inconvineance can be easily Take care within Stipulated Time Frame.	No change
20	Tender Document Part -1 Schedule D Section-III Technical Specification of Work Cable Specification S.No. 11 TS for 11/0.415 kv 500 kvA DT.		Kindly Provide Specification for Non Extensibal RMU,Transformer used in Package Substation as the given specification is for stand alone Distribution Transformer & RMU only.	1- Distribution Transformer shall be as per IS: 1180 and type tested. The transformer shall be harmetically sealed and placed in enclosure. 2-Technical Specification of non Extensible RMU is same as Extensible RMU and same shall be placed in enclosure.
21	Tender Document Part -1 Schedule D Section-III Technical Specification of Work Cable Specification S.No. 11 TS for 11/0.415 kv 500 kvA DT.		As per specification it is mentioned that Short Circuit test will conduct along with routine test. For such a small rating no manufacturer will agree to conduct Short Circit Test. We will provide the test report on similar or higher Rating Transformer. Please accept the same.	Yes accepted
22	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.7.2 Standard of Acceptability.		As per tender BOQ we have not made any room. So as per our understanding This Clause have no relevance to this tender.	Yes
23	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.8 Testing of Material in Other Laboratory.		Kindly confirm the detail of Laboratory which we have to stablised at Site. Please also confirm which equipment or material need to be tested in given laboratories.	Equipments required for test on site i.e. Megger,tong tester etc shall be available and in condition of cable fault fault locator shall be available .
24	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.9 CRECHE FACILITIES FOR the CHILDREN		As we will execute the electrical System. We will not stablised any labour colony. Please clarify this clause will be implicable in our Tender or not.	Not Required
25	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.26 Providing Computer & Equipment		Kindly Confirm the equipmnet mentioned in this clause is in our scope of supply if so please confirm the space to install the equipment and operator for the same shall be provid by Client or not.	Yes, Space shall be provided by client.
26	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.49 Minimum Plants , Equipment & Shuttering		The Scope of Work measurly cover electrical work. No major civil work is in our scope. So there is no need of given equipment we have to stablised parmanently on site. We hereby confirm that we will depute all necessary equipment when its required.	All necessary equipment for electrical work shall be provide.

27	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.52 Sub-Contractors		Please Clarify Point no (iii) 6 No Labour Contrcats shall be Permitted.	Yes
28	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.52 Sub-Contractors		Please Clarify Point no (v) Essential Condition of contract s. no 4 & 5 . As per given BOQ no Dg set is in our scope of supply. Kindly confirm scope of DG sets mentioned in above S. No.	Not Required
29	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.52 Sub-Contractors		Load Sanction is in our scope or we need to take CEA approval for installtion work done by us only.	Only statutory approval from government Will be in tenderer scope.
30	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.52 Sub-Contractors		Please Clarify Point no (v) Essential Condition of contract s. no 8 (j). As per tender we have to submit 5%PBG and 5% Security Deposit BG then why Separate Bank Gurantee required valid up to 18 months. Please confirm the necessity and Percentage of BG if required	Tenderer has to submitte 5 % PBG and 5 % SDwill be deeduct from running bill only.
31	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.52 Sub-Contractors		Please Clarify Point no (v) Essential Condition of contract s. no 8 (k). As per tender O&M period is 24 months while In this clause it is asked for 18 months Please clarify.	O&M period shall be 24 months
32	Tender Document Part -1 Schedule D Section-IV Special Conditions of Contract S.No.53 Sub-Contractors		We will submit the CAR Policy before starting the work at site. You are requested to kindly remove the time limit from the Work order date or give sufficient Time to prepare the same.	No change
33	Tender Document Part -1 Schedule F General Rules & Directions		In Clause 1 The maximum time given to submit PBG is 14 days which is not sufficient time. You are equested to please extend the same by 30 days.	No change
34	Tender Document Part -1 Schedule F General Rules & Directions		In Clause 36 (i) Minimum technical representative and recovery rate. No. of Deploma Engineering with same experience is asked for twice ( 2nos & 1 Nos) Kindly clarify which one need to be considered.	2 Nos diploma Engineer shall be considerd
35	Tender Document			<b>Payment term as follows</b> a. Upon receipt of material at site - 70 % b. Upon installation of equipment - 10% c. After testing and commissioning at site- 10% d. For 1st year Maintenance period @ 1.0 % for each quarter- 4% e. For IInd year Maintenance period @ 1.50% for each quarter- 6%
36	Tender Document		Please confirm when will be performance Bank Gurantee and Securty Bank Gurantee will relased.Please also confirm the validity for the both.	The P.G will be remain with NRDA till the end of O& E Period and SD will be release after final bill.
37	Tender Document Part -1 Schedule D Section-III Technical Specification of Work Cable Specification S.No. 13 Specification for HT Switch Board		In S.No. 13 Guarantee for 36 Months. Whick DLP for Project is 24 Months Please Clarify which need to be considered.	Shall be consider 24 month.
38	Tender Document		Please confirm is there any material that will be supplied by NRDA i.e Free issue material .	No

39	Schedule A : Price Tender_ Cost of Estimate .Boq item_(5-a)_LT Cable		Kindly confirm the exact thickness of inner sheath . As per clause 1.6.5 Inner sheath thickness will be as per IS : 7098-1 while according to CI : 1.4.5 thickness will be more.	Clause no. 1.4.5 shall be follow.
40	General		Kindly accept type written price schedule along with the tender ,in stede of hand written	No change
			Please confirm whether NRDA will issue Form " C" for the material procured by the bidder from outside the state	Form " C" shall not be provided by NRDA
			please confirm the provision/reimbursement of newly levied GST Tax	Price quoted shall be inclusive of all the taxes and duties. If any variation in taxes after award of contract then the increase /decrease in the taxes will be adjusted accordingly.
			We request you to allow price variation for the supply of major items (Power transformer ,RMU,Cable etc.) as per the IEEMA price variation clause	Not agreed
			We request you to accept the Submission of GTP,Drawings ,Type test ect for the equipment after award of work as at the tendering stage vendors are not submitting the details in time	Tenderer has to submit GTP,Drawings ,Type test etc for the equipment after award of work ,not at the tendering stage.
			For proper evaluation of bid ,Request you to extend the last date of submission by minimum 15 days & oblige	Plz refer corrigendum-2