



BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

Chief General Manager Telecom CHHATTISGARH Circle

BID DOCUMENT

E-TENDER FOR MAINTENANCE & OPERATION OF MOBILE BTS SITES & OTHER ASSOCIATED WORKS UNDER BILASHPUR BA(Bilaspur OA, Raigarh OA, Surguja OA)

This is a Short Tender Notice

NIT No:- CGCO-MM/11/2/2025-MM BSNL CGCO

Dated: – 31/01/2025

1	Date of Start for tender downloading:	At 18:00 Hrs on 31.01.2025
2	Last Date and time for downloading:	UP TO 11:30Hrs of 10.02.2025
3	Last Date & Time for Submission (Online)	UP TO 11:30 Hrs of 10.02.2025
4	Last Date & Time of Submission (Off Line)	Should be submitted any date on or before bid submission end date or within 5 days after online bid submission end date
5	Date of Opening :	At 12:00 Hrs on 11.02.2025

VALIDITY OF OFFER: 180 DAYS from BID opening Date

Note: Kindly see all clarification / Corrigendum on website & Read carefully before submission of bid & ensure that all documents submitted are fully authenticated by the authorized signatory.

Website: <https://etenders.gov.in>

O/o CGMT BSNL Chhattisgarh Circle

VIDHANSABHA ROAD KHAMARDIH RAIPUR-492007

Tel.:0771-2281440

E-Mail.:agmmmcoryp@gmail.com

Website: <http://chhattisgarh.bsnl.co.in>

BHARAT SANCHAR NIGAM LIMITED
(A Govt. Of India Enterprise)
O/o CGMT CG Circle Raipur(CG)

NIT No: CGCO-MM/11/2/2025-MM BSNL CGCO

Dated: – 31/01/2025

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SECTION – 1
Introduction about Service

DETAILED NOTICE INVITING TENDER (DNIT)

This is a Short Tender Notice

NIT No:- CGCO-MM/11/2/2025-MM BSNL CG CO

date 31.01.2025

1. On behalf of Chief General Manager Telecom, Bharat Sanchar Nigam Limited, CHHATTISGARH Circle, digitally sealed online tenders, on rupee payment basis, are invited in Single Stage Bidding and Two Stage Opening using two Electronic Envelopes (Techno-commercial bid & Financial bid), from the experienced & eligible bidders through E-tender for outsourcing of Maintenance & Operation of Mobile BTS Sites in Bilaspur BA Cluster and Rigger activities on fault/need basis & Other associated works for the Non-Outsourced mobile BTS sites in Bilaspur BA as defined in Scope of work for Bilaspur BA (CG Circle). as per cluster/Clusters noted below:

S. No.	DESCRIPTION of Work	Name of Cluster	Estimated cost of Works in the cluster for One Year (in Rs.) (Excluding GST)	EMD (Bid security)	Tender Fee
1	Outsourcing of Maintenance & Operation of Mobile BTS Sites in Bilaspur BA Cluster and Rigger activities on fault/need basis & Other associated works for the Non-Outsourced mobile BTS sites in Bilaspur BA as defined in Scope of work for Bilaspur BA (CG Circle).	Cluster-3 (Bilaspur OA)	Rs 82,12,296/-	Rs. 2,05,307/-	Rs 1180/-
2		Cluster-5 (Surguja OA)	Rs 55,33,876/-	Rs 1,38,347/-	Rs 1180/-
3		Cluster-6 (Raigarh OA)	Rs 56,72,817/-	Rs 1,41,820/-	Rs 1180/-

Note 1: Cluster means group of BTS sites having Mobile Equipments 2G, 3G, 4G etc., standalone or in combination of 2G+3G, 2G+4G, 3G+4G, 2G+3G+4G etc. along with tower & other infra.

Note 2: The quantity /number/ Sites stated above are estimated and BSNL reserves the right to vary the quantity to the extent of -25% to +25% of specified quantities during the entire contract i.e. APO/LOI without any change in unit price or other terms & conditions.

Note 3: In case of bidding for multiple clusters one EMD with entire respective bid security amount shall be acceptable.

Note 4: Period of contract: Initially agreement will be signed for 2(two) years with additional one year extension with same rates terms and conditions of tender subject to the performance of the partner and approval of the competent authority.

Note 5: Bidder(s) can participate in one/more/all cluster(s), if following all the necessary terms and conditions required for a particular cluster or clusters.

Note 6: The evaluation of the Tender as well as Allotment of the work order will be Cluster wise.

2. Purchase of Tender Document: -

Tender Document can be obtained by downloading it from the Central Public Procurement Portal (<https://www.etenders.gov.in>) from 18:00 Hrs. of **31.01.2025 onwards up to 11:30 Hrs of 10.02.2025.**

- 2.1 The bidder(s) downloading the tender document are required to submit the tender fee (along with applicable GST) amount through DD/ Banker's cheque along with submission of offline documents as per tender failing which the tender bid shall not be admitted. The DD/ banker's cheque shall be drawn from any Nationalized/ Scheduled Bank in favour of "AO (A & B), O/o CGMT, CG Circle payable at Raipur Chhattisgarh-492007
- 2.2 The Crossed Demand Draft/ Bankers Cheque or Original Cash Receipt should be submitted offline in the envelope as mentioned in **clause 4.1 Section 4 Part C.**

- 2.3 Successful Bidders are required to sign & submit the **Agreement of Contract (AOC)** (format as per Section 7(E)) along with the unconditional acceptance letter after receipt of 'Letter Of Intent' (LOI).
- 2.4 The Tender fee is non-refundable & non-transferable.
- 2.5 The MSE units shall be exempted from submission of Bid Security deposit & Tender Fee on production of requisite proof in respect of valid certification from MSME for the tendered item (please note that only 'Micro' and 'Small' category businesses are eligible for this concession). There is no exemption to MSE units/ bidders from submission of PBG and Material Security, which they will be required to submit, as applicable, if the tender is awarded to MSE units/ bidders. Micro & Small Enterprise (MSE) bidders are exempted from payment of Tender Fee/Bid Security provided they submit current and valid Udyam Registration Certificate (URC) issued from the Ministry of MSME. Udyam Registration Certificate (URC), submitted by MSE bidder in their online bid for claiming exemption from Tender Fee & Bid Security, must be current & valid on the date of opening of Technical bid part. Micro and Small Enterprises (MSEs) registered under Udyam Registration are eligible to avail the benefits under the policy. In case of upgradation of Micro / Small enterprise, the exemptions or relaxation shall be as per directives issued by MSME for non-tax benefits in such cases.

3. Availability of Tender Document:

- 3.1 The tender document shall be available for downloading from from 8:00 Hrs. of **31.01.2025 onwards up to 11:30 Hrs of 10.02.2025** from the Central Public Procurement Portal website <https://www.etenders.gov.in> and Chhattisgarh BSNL Site (<http://www.Chhattisgarh.bsnl.co.in>).
- Physical copy of tender document will not be available for sale.
- 3.2 Tender fee of as mention above **for each cluster** which will be payable in the form and in the name of person stated in clause 2.1 above.

4. **ELIGIBILITY CRITERIA:** The prospective bidder should satisfy following conditions:

4.1 Registration of Firm : The Bidder shall be a company registered in India under the companies Act. or a partnership firm/proprietor ship firm registered in India.

Scanned copy of the documents, as applicable, in support of registration of the company/ Firm/ Proprietorship:

- The registration of the firm, authenticated copy of partnership deed in cases of partnership firm.
- Attested copy of Memorandum of association and Articles of Association duly registered with Registrar of Company.
- Duly executed Affidavit, stating that tenderer is the sole proprietor of the firm or any document issued by the taxation authorities establishing that tenderer is the sole proprietor of the firm, in case of proprietorship firm.

4.2 Financial Turnover: -

Average Annual financial turnover (to be submitted certified by CA) during of last 3 financial years i.e. 2021-22, 2022-23,2023-24 should be at least **40%** of the estimated tender cost. Audited Annual Financial Reports in support of this is to be enclosed along with the bid to substantiate eligibility in this regard.

4.3 Solvency Certificate:

Certified copy of Solvency Certificate from the nationalized/scheduled bank of the bidder for **30%** of the estimated tender cost has to be submitted. The Solvency Certificate should not be older than **6(SIX) MONTHS** from the date of issue of this Tender (DNIT).

4.4 Experience in terms of Technical Eligibility Criteria:

Bidder(s) should have an experience of executing works related to O&M of BTS Sites or other installed infrastructure with BTS (as described in 'Scope of Works' at Section-3 Part A) and rigger related works or upkeeping works of exchange/Telecom Equipment maintenance covering with Telecom service provider/Telecom Infra Provider for One-year period or more during during the **last 7 (Seven) financial years** ending last day of month previous to the one in which application are invited, and should be one of the following:-

Completed works of similar services in any **THREE** years costing not less than the amount equal to **40%** of the estimated cost in each year during last seven years.

OR

Completed works of similar services in any **TWO** years costing not less than the amount equal to **50%** of the estimated cost in each year during last seven years.

OR

Completed work of similar services in any **ONE** year costing not less than the amount equal to **80%** of the estimated cost or in each year during last seven years.

The experience certificate should be issued by the officer not below the rank of DGM Level officer in case of DOT/BSNL/MTNL/Central Govt. & their CPSUs/State Govt. and their PSUs

The documentary proof in case of Licensed Telecom service provider/Licensed Infrastructure provider /BTS supply vender/Telecom Original Equipment Manufacture, should be signed by the authorized signatory of the company / officer not below the rank of work order/agreement issuing/signing authority , (as per Proforma attached on company's Letterhead).

4.5 Bidders should have office in the state of Chhattisgarh. Valid proof of office address is to be submitted.

4.6 Power of Attorney :

- (a) The power of attorney in original, in case, person other than the sole proprietor/ authorized signatory has signed the tender document, shall be on a non-judicial stamp paper of Rs. 50/- in case same has been executed in between blood relations and in other cases, it should be on a non-judicial stamp paper of Rs.100/- and should be attested by the Notary Public or same should be registered before the sub registrar. The power of attorney in original should be submitted Or self declaration of not applicability of the firm should be submitted.
- (b) The power of Attorney in original is executed by a person who has been authorized by the Board of Directors of the bidder in this regard, on behalf of the company/ institution/ Body corporate.
- (c) In case of the bidder being a partnership firm, the said Power of Attorney should be executed by all the partner(s) in favour of the said Attorney.
- (d) In case the representative of bidder company who uploads the document on e-tender portal using his Digital Signature Certificate (DSC) is different from the authorized signatory for the bid (Power of Attorney holder) then the representative who uploads the document on e- tender portal using DSC issued in his name shall also be made as one of the power of attorney holder by the bidder company, in addition to the authorized signatory for the bid.

4.7 Bid Security/ EMD:

The bidder shall furnish the Bid Security/EMD in one of the following ways:-

The bidder shall furnish the bid EMD as per NIT in the form of BG/ Demand Draft/ Banker's cheque issued by any Nationalized /Scheduled Bank drawn in favor of "The Accounts officer (A&B)O/o CGMT CG CIRCLE BSNL RAIPUR".

The MSE bidders registered with the designated MSME bodies like National Small Scale Industries Corporation etc are exempted from payment of bid security. However, they shall furnish a proof regarding registration with bodies under the Ministry of Micro, Small & Medium Enterprises **for tendered items** , valid on the date of opening of the tender.

Bid Security needs to be submitted by bidder as per Format **in Section 7**.

4.8 The CGMT CG CIRCLE BSNL RAIPUR reserves the right to black list or Debar the contractor with cancellation the tender / termination of running contract and forfeiture the EMD/SD; if contractor submitted documents (certificates) found false /Bogus/Invalid during the tender opening period and later date and found in any illegal activity or any such activity which is, in contravention to the general

policy, statutory provision, rules, regulation as announced or declared or published by any competent authority.

4.9 The successful bidder(s) including NSIC/MSE bidder(s) shall submit an equivalent to 10 % of the tender approved value in the form of Performance Bank Guarantee (PBG).

4.10 The Bidder should NOT be a licensed Telecom Service Provider to provide Basic Services/Cellular Telephony Services/ Internet Services/ UASL/ NLD/ILD Services anywhere in India. Self undertaking to this effect must be submitted by the bidder.

5. The Bidder(s) should submit the following online documents in Technical Bid - .

- (i) EMD payment instrument/ BID Security declaration.
- (ii) Payment instrument for cost of the tender documents i.e. tender fee.
- (iii) AN AFFIDAVIT IS TO BE GIVEN BY THE PROPRIETOR/PARTNER'S / DIRECTORS DULY NOTARISED AFFIDAVIT IN NON-JUDICIAL STAMP PAPER/e-STAMP PAPER WORTH Rs.100.00 OR MORE as per format Section XII. (Duly Self attested and Notarised)
- (iv) Certificates of Incorporation / Registration of firm / valid Shop Act license/whichever is applicable. Article or Memorandum of Association or partnership deed or proprietorship deed as the case may be.
- (v) The Bidder(s) must have minimum Average Annual financial turnover (to be submitted along with Balance Sheet certified by CA) during the last 3 years i.e.FY(2021-22,2022-23, 2023-24) should be at least 40% of the estimated cost. Audited Annual Financial Reports (if applicable) for this is to be enclosed along with the bid to substantiate eligibility in this regard.
- (vi) Solvency Certificate from the nationalized/ scheduled bank of the bidder for 30% of the estimated tender cost for BA has to be submitted. The Solvency Certificate should not be older than **6(SIX) MONTHS** from the date of issue of this Tender (DNIT).
- (vii) Income tax return for the last 3 years i.e. assessment year AY (2022-23, 2023-24, 2024- 25)
- (viii) Experience certificate as per Clause 4.4 and 4.5 of the DNIT.
- (ix) Bidder performance should be satisfactory in respect of all works during current and last financial years. Regarding Satisfactory performance certificate signed by BA head/unit head is required
- (x) ESIC registration Certificate or Workmen compensation insurance policy.
- (xi) EPF registration Certificate.
- (xii) Power of Attorney & authorization for executing the power of Attorney in accordance with clause 4.6 of Section 1 or self declaration of not applicability of the firm /Or self declaration of not applicability of the firm should be submitted.
- (xiii) Clause by clause compliance as per section 7(D),Annexure-A & No deviation Statement as per Section-7(D),Annexure-B.
- (xiv) Bidder's Profile & Questionnaire duly filled & signed as per Section -8
- (xv) Non-Relation Certificate duly filled & signed as per Section -6(B)
- (xvi) Undertaking & declaration duly filled & signed as per Section -6(A)
- (xvii) Upload Digitally signed/ink seal sign Tender document.
- (xviii) The bidder(s) shall furnish a declaration in his tender bid that no addition /deletion / corrections have been made in the downloaded tender document being submitted and it is identical to the tender document appearing on the website
- (xix) Declaration regarding tender document has been read each page & accepted it. (Annexure- 6C attached)
- (xx) Tender/ Bid form- Section 9 Part A.
- (xxi) Mandatory declaration regarding registration of its Udyam Registration Certificate (URC) issued by Ministry of Micro Small and Medium Enterprises (MSME) on Central Public Procurement portal (CPPP).
- (xxii) A self-declaration along with the evidence that the bidder(s) is not black listed by GST authorities.
- (xxiii) Valid PAN Number of the Company/all Directors/Partners/Proprietors as applicable.
- (xxiv) Valid Goods and Services Tax Registration Certificate (GST) No(s).
- (xxv) An undertaking that the bidder(s) has not been black-listed by central/ state governments/ PSUs at the time of submission of bid.
- (xxvi) An undertaking that the Bidder(s) is NOT a Licensed Telecom Service Provider to provide Basic

Services / Cellular Telephony Services / Internet Services/ UASL/ NLD/ ILD Services anywhere in India.

(xxvii) Bidder(s) should have office in the state of Chhattisgarh or he will submit an undertaking that he will establish his office in Chhattisgarh at the time of execution of agreement. Valid proof of office address is to be submitted.

(xxviii) Copy of valid Labour License as a proof of Registration with Central Labour Commission (under Contract Labour Act 1970) for submitted work experience and an undertaking regarding new labour license will be submitted by bidder after finalization of tender.

Note:- All online documents should be submitted Original (Scanned) or self-attested in case of Xerox copy, Bid will liable to be rejected if online documents are not submitted as mentioned above. All documents should be upload in given sequence is mandatory.

5.1 The bidder(s) shall submit necessary documentary proof showing that they meet the eligibility criteria along with their tender bid. All documents submitted will also be self-attested by the bidder.

Note :-The conformance to this requirement shall be explicit from the submitted certificates in the format as required in Clause 4.10/4.11 above. The verification of all the documents submitted online shall be done at the time of issue of A.W.O (Advance Work Order)/LOI (Letter of Intent) before issue of W.O. (Work Order).

6. OFFLINE DOCUMENTS SUBMISSION:

The bidder shall submit the following documents offline to O/o AGM (MM), First Floor, Room No: 109, O/o CGMT CG CIRCLE BSNL Khamardih, Vidhan Sabha Road Raipur-492007 on **any date on or before bid submission end date or within 5 days after online bid submission end date**, in a Sealed Envelope. The envelope shall bear (tender name), the tender number and the words 'DO NOT OPEN BEFORE' (due date & time):

- i) EMD – Bid security (original copy)
- ii) DD/ Banker's cheque for Tender fee (original copy)
- iii) Power of Attorney in accordance with clause 4.6 of Section 1 and authorization for executing the power of Attorney/Or self declaration of not applicability of the firm.
- iv) MSME registration certificate, if the bidder(s) is claiming concession for Bid cost & Bid Security.
- v) Affidavit as per Section- XII.

Note : In case the date of submission (opening) of bid is declared to be a holiday, the date of submission (opening) of bid will get shifted automatically to next working day at the same scheduled time. Any change in bid opening date due to any other unavoidable reason will be intimated to all the bidders separately on etenders.gov.in website. **All computer generated documents should be digitally signed/ Ink signed self attested by the bidder/vendor organization. Tender document(s) should be signed by tenderer or his authorized representative along with seal on each page of the bid document. The bidder shall submit the offline documents in Original on any date on or before bid submission end date or within 5 days after bid submission end date as specified above. Online bid of the bidder only opened after offline bid document received from bidder. If already open the bid will be liable to be rejected.**

7. Last Date & Time of Submission of Tender bids online: on or before 11:30Hrs on 10.02.2025

7.1 Envelope containing offline document Should be submitted any date on or before bid submission end date or within 5 days after online bid submission end date i.e. 11:30 hrs 15.02.2025.

8. Opening of Tender Bids:

At Room No: A109, AGM (MM), O/o The CGMT, BSNL RAIPUR, Khamardih, Raipur (CG) 492004 (Chhattisgarh) ; on 12:00 Hrs Date 11.02.2025

Note: At the time of opening the bids, initially envelope containing offline documents of all bidder(s) will be opened. The Electronic envelope consisting Techno Commercial bids of **only those bidder(s) will be admitted who would have submitted required documents as offline submissions.**

9. Place of opening of Tender bids:

- a. The tenders shall be opened **on line through CPPP portal**. BSNL's Tender Opening Officers as well as authorized representatives of bidder(s) can attend the on line opening from the comfort of their offices. Kindly refer Section-4 Part C of Tender document for further instructions.
 - b. Authorized representatives of bidder(s) (i.e. vendor organization) can attend the Tender Opening Event at "**AGM (MM) O/o The CGMT, BSNL RAIPUR, Khamardih, Raipur (CG) 492004 (Chhattisgarh)**", where BSNL's Tender Opening Officers would be conducting Online Tender Opening Event (TOE).
9. Tender bids received after due time & date will not be accepted.
 10. Incomplete, Ambiguous, Conditional, Unsealed Tender bids are liable to be Rejected.
 11. CGMT CG Circle BSNL Raipur reserves the right to accept or reject any or all tender bids without assigning any reason. He is not bound to accept the lowest tender.
 12. The bidder(s) shall furnish a declaration in his tender bid that no addition /deletion / corrections have been made in the downloaded tender document being submitted and it is identical to the tender document appearing on the website.
 13. In case of any correction/ addition/ alteration/ omission/ failure of submission the desired documents in the tender document, the tender bid shall be treated as nonresponsive and shall be rejected summarily.
- 14. Period of contract:**
Normally contract agreement will be valid for one year from the date of signing the contract agreement which can be extended further for one year or part thereof on the same rates, terms and conditions.
- Note:** All documents submitted in the bid offer should be preferably in English. In case the certificate viz. experience, registration etc. is issued in any other language other than English, the bidder(s) shall attach an English translation of the same duly attested by the bidder & the translator to be true copy in addition to the relevant certificate.
- Note:** All computer generated documents should be duly signed/ self attested by the bidder(s)/ vendor organization.

**Assistant General Manager (MM)
O/o Chief General Manager CG Circle
BSNL, Raipur (C.G.)**

SECTION- 2
Tender Information

- 1. Type of tender- : This is a single stage two bids Open tender.**
a) No. of Bid Submission Stages for tender: **Single stage.**
b) No. of E-Envelopes for submission of Bids: **Two Nos.**

Note: The bids will be evaluated techno-commercially first and thereafter financial bids of techno-commercially compliant bidder(s) only shall be opened

2. Bid Validity Period : 180 days from the tender opening date.

3. E-Tenders are invited under single stage two envelopes system, the first envelope will be named as **techno-commercial bid** & will contain documents of bidder(s) satisfying the eligibility / Technical & Commercial conditions and 2nd envelope will be named as **Financial bid** containing financial quote. These envelopes shall contain one set of the following documents:-

A. Techno-Commercial electronic envelope shall contain: -

- (i) EMD payment instrument/ BID Security declaration.
- (ii) Payment instrument for cost of the tender documents i.e. tender fee.
- (iii) AN AFFIDAVIT IS TO BE GIVEN BY THE PROPRIETOR/PARTNER'S / DIRECTORS DULY NOTARISED AFFIDAVIT IN NON-JUDICIAL STAMP PAPER/e-STAMP PAPER WORTH Rs.100.00 OR MORE as per format Section XII. (Dully Self attested and Notarised)
- (iv) Certificates of Incorporation / Registration of firm / valid Shop Act license/whichever is applicable. Article or Memorandum of Association or partnership deed or proprietorship deed as the case may be.
- (v) The Bidder(s) must have minimum Average Annual financial turnover (to be submitted along with Balance Sheet certified by CA) during the last 3 years i.e. FY(2021-22,2022-23,2023-24) should be at least 40% of the estimated cost. Audited Annual Financial Reports (if applicable) for this is to be enclosed along with the bid to substantiate eligibility in this regard.
- (vi) Solvency Certificate from the nationalized/ scheduled bank of the bidder for 30% of the estimated tender cost for BA has to be submitted. The Solvency Certificate should not be older than 6(six) month from the date of issue of this Tender (DNIT).
- (vii) Income tax return for the last 3 years i.e. assessment year AY(2022-23,2023-24,2024-25).
- (viii) Experience certificate as per Clause 4.4 and 4.5 of the DNIT.
- (ix) Bidder performance should be satisfactory in respect of all works during current and last financial years. Regarding Satisfactory performance certificate signed by BA head/unit head is required.
- (x) ESIC registration Certificate or Workmen compensation insurance policy.
- (xi) EPF registration Certificate.
- (xii) Power of Attorney & authorization for executing the power of Attorney in accordance with clause 4.6 of Section 1 or self declaration of not applicability of the firm / Or self declaration of not applicability of the firm should be submitted.
- (xiii) Clause by clause compliance as per section 7(D) Annexure-A & No deviation Statement as per Section-7(D) Annexure-B.
- (xiv) Bidder's Profile & Questionnaire duly filled & signed as per Section -8.
- (xv) Non-Relation Certificate duly filled & signed as per Section -6(B)
- (xvi) Undertaking & declaration duly filled & signed as per Section -6(A)
- (xvii) Tender document Digitally signed / Ink signed with Seal on each page.
- (xviii) The bidder(s) shall furnish a declaration in his tender bid that no addition /deletion / corrections have been made in the downloaded tender document being submitted and it is identical to the tender document appearing on the website
- (xix) Declaration regarding tender document has been read each page & accepted it. (Annexure- 6C should be attached)
- (xx) Tender/ Bid form- Section 9 Part A.

- (xxi) Copy of Udyam Registration Certificate (URC) issued by Ministry of Micro Small and Medium Enterprises (MSME) should be uploaded on Central Public Procurement portal (CPPP).
- (xxii) A self-declaration along with the evidence that the bidder(s) is not black listed by GST authorities.
- (xxiii) Valid PAN Number of the Company/all Directors/Partners/Proprietors as applicable.
- (xxiv) Valid Goods and Services Tax (GST) Registration Certificate.
- (xxv) An undertaking that the bidder(s) has not been black-listed by central/ state governments/ PSUs at the time of submission of bid.
- (xxvi) An undertaking that the Bidder(s) is NOT a Licensed Telecom Service Provider to provide Basic Services / Cellular Telephony Services / Internet Services/ UASL/ NLD/ ILD Services anywhere in India.
- (xxvii) Bidder(s) should have office in the state of Chhattisgarh or he will submit an undertaking that he will establish his office in Chhattisgarh at the time of execution of agreement. Valid proof of office address is to be submitted.
- (xxviii) Copy of valid Labour License as a proof of Registration with Central Labour Commission (under Contract Labour Act 1970) for submitted work experience and an undertaking regarding new labour license will be submitted by bidder after finalization of tender.

Note: -All online documents should be submitted Original (Scanned) or self-attested in case of Xerox copy, Bid will be rejected if online documents are not submitted as mentioned above.

All documents should be uploaded inline is mandatory.

C) Financial envelope shall contain:

Bid form- Price Schedule/Financial bid as per Section 9 Part B in online BOQ format.

D) OFFLINE DOCUMENTS SUBMISSION:

The following documents are required to be submitted offline to the address

“ AGM(MM),ROOM NO-A109,O/o The CGMT, BSNL RAIPUR, Khamardih, Raipur (CG) 492007” on or before **Hrs on** in a sealed envelope. **The envelope shall bear the tender number, name of work, Cluster Name and the phrase: “Do Not Open BeforeHrs on dated.....”**

- i) EMD – Bid security (original copy)
- ii) DD/ Banker’s cheque for Tender fee (original copy)
- iii) Power of Attorney in accordance with clause 4.6 of Section 1 and authorization for executing the power of Attorney / Or self declaration of not applicability of the firm
- iv) MSME registration certificate, if the bidder(s) is claiming concession for Bid cost & Bid Security.
- v) Affidavit as per Section- XII.

Note: If offline documents are not delivered up to date & time of submission as specified in Tender, the bid shall not be opened if already opened online, then the bid shall be liable to rejected.

4. E-Tenders are invited online through Single stage two Envelope systems. The first electronic envelope (technical) will contain techno-commercial & second electronic envelope (Financial) will contain financial bid envelope.

5. Payment terms

- i. The bidder(s) should submit the invoice (in duplicate) for BTS Site to Concern **Nodal Officer of SSA/BA** along with the Performa of satisfactory work completion duly signed by Nodal officer/Incharge of concerned SSA/OA/Site of the cluster.
- ii. For the purpose of invoice preparation, Number of working BTS Sites in a cluster shall be calculated taking the average of working BTS Sites on the first and last day of the month.
- iii. 90% of the payment of the monthly invoices shall be processed on submission of Invoices by the bidder(s) and Balance 10% after 30 days from the payment of 90% of Invoice.
- iv. Bidder(s) has to report concern SSA/SDCA Nodal of BTS Sites (BTS and other infra of site) or Incharge of related works (like rigger related works to SSA/BA CM Nodal Officer or SSA QoS Nodal Officer). List of Incharges for different sites and works will be shared to successful bidder(s). Cluster nodal will verify and impose penalty as per details/certificates received from concern BTS/SDCA Nodal.
- v. Assigned & executed works will be verified by the concern incharge before accepting the invoice. Necessary log-book, Alarms and record/result of registered complaints verification will be done and work done certificates will be issued to successful bidder(s) accordingly. Penalty will be calculated on the basis of it and as per Section-3 Part B.
- vi. Payment will be processed cluster wise by concern BA.

- vii. In case of any dispute regarding invoice/payment, the decision of BA Head will be final.
- viii. **GST No 22AABC5576G2ZU & HSN/SAC should be compulsory mentioned on the invoice. Bill should be submitted by name of “Bharat Sanchar Nigam Limited Chhattisgarh Telecom Circle Raipur (C.G.)”**
- ix. The bill should invariably accompany the following. It shall be responsibility of the user to ensure that all the formalities are fulfilled at the time of certifying the bill. Otherwise the bills will not be forwarded to AGM (MM) O/o The CGMT RAIPUR , Khamardih, Raipur (CG) 492007 (Chhattisgarh) for payment.
 - a) Invoice in triplicate duly certified by Concerned SDE and countersigned by AGM.
 - b) Attendance sheet of the month.
 - c) List of working workers of the month.
 - d) Supporting valid documents for proof of payment of EPF & ESIC Contribution to the authority along with list of works indicating the EPF No/ UAN No/ ESI code, fathers name & amount against each workers (beneficiary), for the previous month.
 - e) Attested Copies Amount of EPF & ESIC contribution (Both employees and employer's) for the duration of engagement of question paid to EPF & ESI authority.
 - f) Copy of work order.
 - g) Satisfactory Report.
 - h) Proof of payment of Wages either online payment or cheque to the workers of the month.
 - i) Temporary/Permanent Identity Cards issued by Contractor for the duration of engage workers
 - j) Temporary/Permanent Pahchan Card issued by ESI office for the duration of engage workers
 - k) Permanent EPF No/ UAN No. by EPF Office for the duration of engage Workers.
 - l) No Payment will be made for goods/Works rejected by BSNL Raipur.
 - m) Maintain all the labour records and submit necessary periodical statements to BSNL. Such records shall be preserved as per the extant guidelines for production before any authority/ tribunal etc. as and when required.

Note:-

1. Bill of the first month will be paid without challan copy of EPF/ESI and GST.
 2. Bill for 2 nd month onwards will be submitted along with all sheet wages sheet ECR EPF ESI and GST pertaining to the previous month.
- Appropriate % of Income Tax will be deducted from the bill depending upon the statutory requirement
 - Payment will be made through account payee cheque payable through the nationalized/scheduled banks at the head quarters of the District Authority or NEFT/RTGS/through Online banking from CSC Circle office Raipur (ERP System). The District Authority will not bear any collection charges /other charges charged by Bank.
 - The tenders will have to study their network and in such a way that tender limits are not exceeded over the currency of the contract.
 - Payment will be released subject to availability of cash/funds. Payment of wages may not be linked with bills payment. No payment will be made for the goods /work received in less quantity, damaged / faulty condition.
 - Any recovery pointed out by audit will be directly deducted from bills/ Security deposit.
 - Whereas no interest will be claimed on the delay payment on any ground of dispute.
- x. The Divisional Engineer shall exercise the prescribed checks on the bills and accord necessary certificates on the bills. The Divisional Engineer shall retain the third copy in record and record it in the estimate file maintained in his office and send first and second copies with all' documents to Works Section of Planning Cell for processing of bills and release of payment

Note:

- i. **For detail payment terms also refer clause 6 Section 5 Part A.**
- ii. **BSNL is implementing BOMS (BTS Outsourced Management System) for centralized billing and monitoring of the BTS sites maintenance such as fault docket booking, SLA penalties calculation's, electronic invoice etc. BOMS is developed for managing the complete outsourcing process of the maintenance of BTS. System will be handling all the processes commencing from Tender details entry to Digital Invoice payments. Bidders must comply the BSNL's instructions issued time to time regarding BOMS process. Till complete implementation of BOMS regarding generation of invoice by system, the procedure of manual submission as detailed out above shall follow.**

5 Period of contract:

Initially agreement with L1 bidder will be signed for two years with one + one extension year with same rates and terms & conditions of the tender subject to the performance of the partner and approval of the competent authority.

6 Paying Authority:

AO (A & B), O/o CGMT, CG Circle payable at Raipur Chhattisgarh-492007.

SECTION – 3 PART – A

SCOPE OF WORK

Introduction: - BHARAT SANCHAR NIGAM LIMITED (BSNL), a Public Sector Enterprise, 100% owned by Government of India, with the dominant market share in the Wire line Telephony, Wireless Telephony, Broadband & Internet services besides other data services like MPLS- VPN, Leased circuits etc. BSNL is the largest Internet Service Provider (ISP) of India. As a leading telecom player, BSNL controls a wide range of telecom infrastructure such as Main Exchange Buildings, RSU Exchange Buildings, Transmission Centre Buildings, BTS sites, billing centers, customer care centers, etc. For more details about BSNL, please log on to www.bsnl.co.in

1. Purpose of the EOI

BSNL (from here on BSNL means SSA/BA/Circle Head or Competent Authority floating the EOI) intends to invite Expression of Interest (EOI) from interested parties for outsourcing of Maintenance and Operation of BTS Sites, other installed infrastructure with BTS, rigger related works in specified clusters and Rigger activities for the Non-Outsourced mobile BTS sites in Bilaspur BA on fault/need basis. After evaluation of EOIs, agreements will be entered with the successful Bidder(s) for a period of one year, which can be extended further up to a period of another one year on the same rates, terms and conditions on mutual consent.

2. General requirement

BSNL intends to contract for Maintenance and Operation of BTS Sites, other installed infrastructure with BTS, rigger related works in specified cluster No./Nos and Rigger activities for the Non-Outsourced mobile BTS sites in Bilaspur BA on fault/need basis. These may be required for different time frames at different installations as per requirement annexure below. Bidder(s) need to bid for the provision of services at all sites in aunit/Cluster. The other terms and conditions have been explained in other sections of the tender documents.

3. SCOPE OF WORK

I. List of Activities Covered under BTS & Infrastructure Maintenance for Outsourcing

- A. BTS & Infrastructure Maintenance for BSNL sites (Excluding IP sites)
- B. BTS Maintenance for BSNL sites (Excluding IP sites)
- C. BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)
- D. BTS Maintenance for Infrastructure Provider (IP) sites
- E. Rigger activities for BSNL-Non BSNL and IP sites
- F. Scope related to Diesel filling in DG Sets and DG operation (Excluding IP sites)

BSNL sites: BTS co-located with CFA Exchange site

Non BSNL sites: Hired BTS site without exchange site

IP sites: Hired through IP- Infra Providers

A. BTS & Infrastructure Maintenance for BSNL sites with collocated Telephone (Excluding IP sites) (2G and/or 3G and/or 4G)

- i. These are the sites housing Mobile site collocated with Telephone Exchange (2G and/or 3G and/or 4G or a combination of them AND Telephone Exchange).
- ii. Maintenance of Exchanges ¹
- iii. Cleaning, security (to the extent of alerting any abnormal observation at the site during visits, intimating police authorities promptly w.r.t. any incident, ensuring functioning of lock & key and upkeep of the site including all equipment, tower surroundings, shelter/OD cabinet, Media equipment, DG etc. This includes bush cutting in the BTS sites/ Exchanges in open areas. All tools & Cleaning material to be

provided by the bidder.

- iv. Exchange/ BTS site cleaning including BTS & Exchange equipment`s, Roof Area, Compound Area. Cleaning to be carried out by blower etc. (Equipment`s for cleaning to be provided by the Vendor)
- v. All leftover BTS related alarms, if any need to be made functional and to be extended upto OMCR within one month of operation. Equipment required for Alarm Extension to be provided by BSNL.
- vi. Prompt action on receipt of instructions (by call or by SMS) from concerned officer regarding manual assistance in rectification of alarms/ faults in BTS site/ Exchange, DSLAM, other equipment.
- vii. The Bidder should ensure that fault is attended even in case of water-logging due to rain etc., the maintenance staff should be provided necessary accessories/gum-boots etc
- viii. Replacement of the faulty modules with repaired modules as per instructions of Site In-charge

¹ The maintenance of Exchanges will include maintenance of Landline Exchanges, DSLAM, transmission equipment`s, USO Wife Hot Spots & other Exchanges equipment`s etc. for keeping the equipment`s in working condition. However, as subject matter pertain to CFA cell, therefore, circle may include suitable activities/ penalties for these exchanges from CFA tender of the circle

- ix. In case of BTS/Exchange outages due to card faults of BTSs / NODE-Bs/ e-Node Bs/ Exchange fault, replace the fault items with the spare module/ cards as per instructions of BSNL Site In charge.
- x. Faulty card/ units of BTS sites and other equipment`s need to be deposited at designated center as per requirement and collection of repaired unit. It will be the responsibility of bidder to transport equipment with utmost care and during transportation no cards/units get damaged.
- xi. In case of BTS/ exchange outages due to card faults of rectifier modules fault of power plant etc, replace the faulty items with the spare module /cards available from normal spare availability location or from nearby sites as directed. The card/module extraction/insertion and transport shall be as per the recommended practice of the OEM/guidance of BSNL.
- xii. Any Mini Link/ OFC failure to be intimated to site in charge for prompt restoration of OFC fault, details of visual alarm noticed to be communicated to the maintenance In-charge.
- xiii. To check Earth Connectivity is available at BTS/ Node B/ e-Node Bs. All measuring instruments to be provided by the vendor.
- xiv. Vendor personnel should be provided with photo ID cards by Outsourcing Vendor.
- xv. The field staff being deployed should be provided with 2 SIMs one of BSNL & other from private TSPs for communication when BTS site is down. The list of same shall be provided at the time of Agreement. In case of any change in staff during the contract, the same shall be updated. BSNL employees too will share their 2 Mobile nos. of BSNL and other TSP
- xvi. Maintaining EMF related boards and help in providing data for Biennial/Triennial submission of EMF Radiation for Mobile sites. (Bidder shall assist in Biennial/Triennial related activities like getting photograph & uploading to SSA CMTS Team etc.).
- xvii. Assistance in handling of minor store items.
- xviii. Ensure working of Power plant alarms with OMC-R.
- xix. First line maintenance of power plants, battery and any problem reported (Any problem to be reported within 3hrs.)
- xx. Bidder to perform Preventive Maintenance activities as per the PM Annexure, will maintain the register for this activity and will submit the copy of the same duly verified by concerned unit-in- charge along with monthly bill.

- xxi. Periodically check-up power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site Incharge and Charging of Battery.
- xxii. Tightening of all nuts/ screws in interconnecting point of power cable from EB panel board to each equipment
- xxiii. To ensure the power plant/ control card is functioning properly so that battery do not go to deep discharge.
- xxiv. In case of any Power Plant outages due to fault in control card intimation to be given to Site Incharge for attending the same on priority.
- xxv. The bidder has to supply and maintain a log book in every site/ Exchange. It is the responsibility of the bidder to update the logbook promptly. All the log books get signed by the concerned officer incharge in the first week of next month and submit with the invoice.
- xxvi. Conducting Battery Backup test with Existing Load at least quarterly & record the same in Log Book.
- xxvii. Bidder has to provide related testing equipments and necessary conveyance to discharge the functions listed in the tender.
- xxviii. Air filter cleaning in BTS/ Node B/ e-Node B, every month and entry in log book of site.
- xxix. Routine check of free cooling systems available at site and DG set and other Equipments i.e. BTS/Media etc. and record the same in log book as per the periodicity defined for the visit (monthly). Reporting of any alarms/faults/untoward incident to the concerned officer
- xxx. Monitoring of Power Plant voltage and smooth change over in the absence of electricity.
- xxxi. To provide assistance under various exchange site activities includes minor civil and electrical works such as repair/replacement of MCB, & Switch, Aviation bulb, EB service cable, armoured AC cable replacement up to DG, repair/replacement of parts of LT panel/ lighting fixtures / smoke & fire alarm system / site earthing/ surge protection/ A/C unit etc.
- xxxii. Preventive checks and maintenance of Earthing & Lightning Protection systems including periodic checking/correction of these systems to ensure that all equipments are protected against surge/lightning related damages. This includes augmentation of the existing earthing/ lightning system where ever required, replacement of any rusted components, tightening of joints, replacement of lightning damaged components in infra equipments/electrical circuitry including ELCBs/surge protection devices/fuses/cables etc.
- xxxiii. Maintenance of Tower Aviation light. Bidder to ensure working of Aviation light.
- xxxiv. Due to heavy dust, temperature of BTS increases and efficiency degrades. Hence, cleaning of all types of BTS/ Exchange equipment & other infrastructure need to be carried out. This should be done using proper tools (to be arranged by the bidder) including vacuum cleaner and under supervision.
- xxxv. Assistance to transmission media team for extension of loop test, observation of alarm indicators, giving reset etc for troubleshooting shall be done. Testing of E1/FE/GE and other media activities from BTS site to BSC /RNC related equipment (looping/ measuring of Optical power) as and when required
- xxxvi. Periodicity of visit to be at least once in 3 days for BSNL sites
- xxxvii. Site visit/ inspection/ cleaning activity proof to be provided at least once in a month to Site in charge
- xxxviii. Report EB failure of sites to concerned EB unit and intimate the docket no: if any, to concerned BSNL official. Constant coordination with Electricity Board/Corporation for restoration of power in consultation with BSNL Site Incharge and after restoration of EB power, ensure proper working of PPP/DG.
- xxxix. BSNL may allocate work of collection of EB bills and submission to the concerned site in charge, submission of EB cheques to EB office from BSNL office, note down the closing electricity meter reading every month in every site and will intimate the same to the field officer along with entry in log book. Abnormal meter reading cases is to be immediately brought to the notice of the Concerned BSNL-in-charge. Electricity Bill collection/ correction (if wrong/ average) and intimation to concerned site in charge. Regarding Replacement of faulty electrical meter case to be immediately reported to the Concerned BSNL-in-charge.
- xl. Prevent misuse of electricity from the site. Penalty to be imposed if theft/misuse of electricity is detected as

- assessed by BSNL. This will be over and above the other penalties and will not be subject to capping if any
- xli. Sanction from EB/ police authorities to be arranged by the Vendor wherever necessary.
 - xl. The fire & smoke cum intruder detection systems installed in BTS sites are to be maintained by the bidder for its proper working. Periodic checking for the proper working of these systems and necessary repair/replacement of faulty units are to be carried out by the bidder. The bidder shall maintain the fire extinguisher of CO2 in all BTS/exchange sites under maintenance.
 - xl. Routine check and Maintenance of Earth of power plant /BTS/ exchange and record the same in log book.
 - xl. Watering earth pit and ring earth of the tower.
 - xl. Battery cell replacement shall be done by the Bidder as & when required. This may involve rearrangement of the cells from other sites. Periodical check-up of power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site In charge and Charging of Battery
 - xl. Bidder to deploy the skilled resources for cluster maintenance minimal per 10 sites for better maintenance and fault rectification. These numbers could be fixed by the respective BA/ Circle based on area specific condition.
 - xl. In case of any loss or theft of any material/equipment at BTS site, concern person of bidder at BTS site is liable to lodge the DDR (Daily diary register) / FIR within one hour for the same to Police Authority and get CSR from police authorities. Primary responsibility is of bidder, if required BSNL site in charge will extend the help.
 - xl. Bidder has to take "Take Over Certificate" of a BTS site along with all hardware /equipment details before commencement of contract from concern site in charge of BSNL
 - xl. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder.

B. BTS Maintenance for BSNL sites (Excluding IP sites)

- i. These are the sites housing Mobile site collocated with Telephone Exchange (2G and/or 3G and/or 4G or a combination of them AND Telephone Exchange).
- ii. All leftover BTS related alarms at BSNL sites, if any need to be made functional and to be extended up to OMCR within one month of operation. Equipment required for Alarm Extension to be provided by BSNL.
- iii. Prompt action on receipt of instructions (by call or by SMS) from concerned officer regarding manual assistance in rectification of alarms/ faults in site.
- iv. The Bidder should ensure that fault is attended even in case of water-logging due to rain etc., the maintenance staff should be provided necessary accessories/gum-boots etc.
- v. The bidder must ensure that the staff attending the BSNL site BTS will never engage into any argument with BSNL site security/caretaker/technician. If site technician/security/caretaker refuses to allow access to site during both Normal and odd hours, the staff should immediately report to Site In charge and must not leave site until the Site in-charge gives permission to do so.
- vi. Replacement of the faulty modules with repaired modules as per instructions of Site In charge
- vii. In case of BTS outages due to card faults of BTSs/ NODE-Bs/ e-Node Bs fault, replace the fault items with the spare module /cards as per instructions of BSNL Site In charge
- viii. Faulty card/units of BTS sites and other equipments need to be deposited at designated centre as per requirement & collection of repaired unit. It will be the responsibility of bidder that during transportation no cards/unit get damaged.
- ix. Any Mini Link/ OFC failure to be intimated to site in charge for prompt restoration of OFC fault, details of visual alarm noticed to be communicated to the maintenance In-charge.
- x. Air filter cleaning in BTS/ Node B/ e-Node B, every month and entry in log book of site.
- xi. For prolonged failure of Electricity as intimated by BSNL officer, Coordination for restoration of EB in consultation with BSNL In charge.
- xii. To check Earth Connectivity is available at BTS/ Node B/e-Node Bs (All measuring instruments to be provided by the vendor).
- xiii. Vendor personnel should be provided with photo ID cards by Outsourcing Vendor
- xiv. The field staff being deployed should be provided with 2 SIMs one of BSNL & other from private TSPs for communication when BTS site is down. The list of same shall be provided at the time of Agreement. In case of any change in staff during the contract, the same shall be updated. BSNL employees too will share their 2 Mobile nos. of BSNL and other TSP.
- xv. Maintaining EMF related boards and help in providing data for Biennial/Triennial submission of EMF

- Radiation for Mobile sites. (Bidder shall assist in Biennial/Triennial related activities like getting photograph & uploading to SSA CMTS Team etc.).
- xvi. Assistance in handling of minor store items.
 - xlvi. Ensure working of Power plant alarms with OMC-R.
 - xlix. First line maintenance of BTS/ media equipment and any problem reported.
 - xvii. Bidder to perform Preventive Maintenance activities as per the PM Annexure, will maintain the register for this activity and will submit the copy of the same duly verified by concerned unit-in- charge along with monthly bill.
 - xviii. In case of any Power Plant outages due to fault in control card intimation to be given to Site In charge for attending the same on priority.
 - xix. Bidder has to provide related testing equipment's and necessary conveyance to discharge the functions listed in the tender.
 - xx. Bidder should provide safety shoes, helmets to maintenance staffs as per safety regulations of BSNL for attending faults in BSNL sites
 - xxi. Routine check of Equipments i.e. BTS/ Media etc. and record the same in log book as per the periodicity defined for the visit (monthly). Reporting of any alarms/faults/untoward incident to the concerned officer.
 - xxii. Periodicity of visit to be atleast once in 2 weeks for BSNL sites.
 - xxiii. Site visit/ inspection/ cleaning activity proof to be provided at least once in a month to Site Incharge.
 - xxiv. Due to heavy dust, temperature of BTS site increases and efficiency degrades. Hence, cleaning of all types of BTS/media equipment need to be carried out. This should be done using proper tools (to be provided by the bidder) including vacuum cleaner and under supervision.
 - xxv. Cleaning of the site including BTS OD cabinet & Media equipment etc. All tools & Cleaning material to be provided by the bidder
 - xxvi. Assistance to transmission media team for extension of loop test, observation of alarm indicators, giving reset etc for troubleshooting shall be done. Testing of E1/FE/GE and other media activities from BTS site to BSC/RNC related equipment (looping/ measuring of Optical power) as and when required.
 - xxvii. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder.

C. BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites) (2G and/or 3G and/or 4G)

- i. These are the sites housing only Mobile sites either 2G and/ or 3G and/ or 4G or a combination of them.
- ii. Cleaning, security (to the extent of alerting any abnormal observation at the site during visits, intimating police authorities promptly w.r.t. any incident, ensuring functioning of lock & key.) and upkeeping of the site including all equipment, tower surroundings, shelter/OD cabinet, Media equipment, DG etc. This includes bush cutting in the BTS sites in open areas. All tools & Cleaning material to be provided by the bidder
- iii. All leftover BTS related alarms, if any need to be made functional and to be extended upto OMCR within one month of operation. Equipment required for Alarm Extension to be provided by BSNL.
- iv. Prompt action on receipt of instructions (by call or by SMS) from concerned officer regarding manual assistance in rectification of alarms/ faults in site.
- v. The Bidder should ensure that fault is attended even in case of water-logging due to rain etc., the maintenance staff should be provided necessary accessories/gum-boots etc.
- vi. The bidder must ensure that the staff attending the BTS site will never engage into any argument with landlords for NBSNL sites. If site technician/security/caretaker refuses to allow access to site during both Normal and odd hours, the staff should immediately report to Site In charge and must not leave site until the Site in-charge gives permission to do so
- vii. Replacement of the faulty modules with repaired modules as per instructions of Site Incharge
- viii. In case of BTS outages due to control card faults of BTSs/ NODE-Bs/ e-Node Bs fault, replace the fault items with the spare module/ cards as per instructions of BSNL Site In charge.
- ix. Faulty card/ unit to be deposited at designated centre as per requirement & collection of repaired unit. (It will be the responsibility of bidder that during transportation no cards/units get damaged).
- x. In case of BTS outages due to card faults of rectifier modules fault of power plant etc, replace the faulty items with the spare module /cards available from normal spare availability location or from nearby sites as directed. The card/module extraction/insertion and transport shall be as per the recommended practice of the OEM/guidance of BSNL
- xi. Any Mini Link/ OFC failure to be intimated to site in charge for prompt restoration of OFC fault, details of visual alarm noticed to be communicated to the maintenance In-charge.

- xii. To check Earth Connectivity is available at BTS/ Node B/ e-Node Bs (All measuring instruments to be provided by the vendor).
- xiii. Vendor personnel should be provided with photo ID cards by Outsourcing Vendor
- xiv. The field staff being deployed should be provided with 2 SIMs one of BSNL & other from private TSPs for communication when BTS site is down. The list of same shall be provided at the time of Agreement. In case of any change in staff during the contract, the same shall be updated. BSNL employees too will share their 2 Mobile nos. of BSNL and other TSP
- xv. Maintaining EMF related boards and help in providing data for Biennial/Triennial submission of EMF Radiation for Mobile sites. (Bidder shall assist in Biennial/Triennial related activities like getting photograph & uploading to SSA CMTS Team etc.).
- xvi. Assistance in handling of minor store items.
- xvii. Ensure working of Power plant alarms with OMC-R.
- xviii. First line maintenance of power plants, battery and any problem reported (Any problem to be reported within 3 hrs)
- xix. Bidder to perform Preventive Maintenance activities as per the PM Annexure, will maintain the register for this activity and will submit the copy of the same duly verified by concerned unit-in-charge along with monthly bill.
- xx. Periodically check-up power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site Incharge and Charging of Battery.
- xxi. Tightening of all nuts/ screws in interconnecting point of power cable from EB panel board to each equipment.
- xxii. To ensure the control card is functioning properly so that battery do not go to deep discharge.
- xxiii. In case of any Power Plant outages due to fault in control card intimation to be given to Site In charge for attending the same on priority.
- xxiv. The bidder has to supply and maintain a log book in every site. It is the responsibility of the bidder to update the logbook promptly. All the log books get signed by the concerned officer in the first week of next month and submit with the invoice
- xxv. Conducting Battery Backup test with Existing Load at least in quarterly & record the same in Log Book.
- xxvi. Bidder has to provide related testing equipments & necessary conveyance to discharge the functions listed in the tender.
- xxvii. Air filter cleaning in BTS/ Node B/ e-Node B, every month and entry in log book of site.
- xxviii. Routine check of free cooling systems available at site and DG set and other Equipments i.e. BTS/Media etc. and record the same in log book as per the periodicity defined for the visit (monthly). Reporting of any alarms/faults/untoward incident to the concerned officer.
- xxix. Monitoring of Power Plant voltage and smooth change over in the absence of electricity.
- xxx. To provide assistance under various BTS site activities includes minor civil and electrical works such as repair/replacement of MCB, & Switch, Aviation bulb, EB service cable, armoured AC cable replacement up to DG, repair/replacement of parts of LT panel/ lighting fixtures / smoke & fire alarm system / site earthing/ surge protection/ A/C unit etc.
- xxxi. Preventive checks and maintenance of Earthing & Lightning Protection systems including periodic checking/correction of these systems to ensure that all equipments are protected against surge/lightning related damages. This includes augmentation of the existing earthing/ lightning system where ever required, replacement of any rusted components, tightening of joints, replacement of lightning damaged components in infra equipments/electrical circuitry including ELCBs/surge protection devices/fuses/cables etc
- xxxii. Maintenance of Tower Aviation light. Bidder to ensure working of Aviation light.
- xxxiii. Due to heavy dust, temperature of BTS increases and efficiency degrades. Hence, cleaning of all types of BTS equipment & other infrastructure need to be carried out. This should be done using proper tools (to be arranged by the bidder) including vacuum cleaner and under supervision.
- xxxiv. Assistance to transmission media team for extension of loop test, observation of alarm indicators, giving reset etc for troubleshooting shall be done. Testing of E1/FE/GE and other media activities from BTS site to BSC/ RNC related equipment (looping/ measuring of Optical power) as and when required.
- xxxv. Periodicity of visit to be once in 5 days for NBSNL sites
- xxxvi. Site visit/ inspection/ cleaning activity proof to be provided at least once in a month to the Site Incharge.
- xxxvii. Report EB failure of sites to concerned EB unit and intimate the docket no: if any, to concerned BSNL official. Constant Coordination with Electricity Board/ Corporation for restoration of power in consultation with BSNL Site Incharge and after restoration of EB power, ensure proper working of PP/DG.

- xxxviii. BSNL may allocate work of collection of EB bills and submission to the concerned site in charge, submission of EB cheques to EB office from BSNL office, note down the closing electricity meter reading every month in every site and will intimate the same to the field officer along with entry in log book. Abnormal meter reading cases is to be immediately brought to the notice of the Concerned BSNL-in-charge. Electricity Bill collection/ correction (if wrong/ average) and intimation to concerned site in charge. Regarding Replacement of faulty electrical meter case to be immediately reported to the Concerned BSNL-in-charge.
- xxxix. Prevent misuse of electricity from the site. Penalty to be imposed if theft/misuse of electricity is detected as assessed by BSNL. This will be over and above the other penalties and will not be subject to capping if any
 - xl. Sanction from EB/ police authorities to be arranged by the Vendor wherever necessary
 - xli. The fire & smoke cum intruder detection systems installed in BTS sites are to be maintained by the bidder for its proper working. Periodic checking for the proper working of these systems and necessary repair/replacement of faulty units are to be carried out by the bidder. The bidder shall maintain the fire extinguisher of CO2 in all BTS sites under maintenance.
 - xlii. Routine check and Maintenance of Earth of power plant / BTS and record the same in log book.
 - xliii. Battery cell replacement shall be done by the Bidder as & when required. This may involve rearrangement of the cells from other sites. Periodical check-up of power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site In charge and Charging of Battery
 - xliv. Bidder to deploy the skilled resources for cluster maintenance minimal per 10 sites for better maintenance and fault rectification. These numbers could be fixed by the respective BA/ Circle based on area specific condition
 - xlv. In case of any loss or theft of any material/equipment at BTS site, concern person of bidder at BTS site is liable to lodge the DDR (Daily diary register) / FIR within one hour for the same to Police Authority and get CSR from police authorities. Primary responsibility is of bidder, if required BSNL site in charge will extend the help.
 - xlvi. Bidder has to take "Take Over Certificate" of a BTS site along with all hardware /equipment details before commencement of contract from concern site in charge of BSNL
 - xlvii. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder.

D. BTS Maintenance for Infrastructure Provider (IP) sites (2G and/or 3G and/or 4G)

- i. These are the Infrastructure Providers (IP) sites housing only Mobile sites either 2G and/ or 3G and/ or 4G or a combination of them.
- ii. All leftover BTS related alarms at IP sites, if any need to be made functional and to be extended upto OMCR within one month of operation. Equipment required for Alarm Extension to be provided by BSNL.
- iii. Prompt action on receipt of instructions (by call or by SMS) from concerned officer regarding manual assistance in rectification of alarms/ faults in site.
- iv. The Bidder should ensure that fault is attended even in case of water-logging due to rain etc., the maintenance staff should be provided necessary accessories/gum-boots etc.
- v. The bidder must ensure that the staff attending the IP site BTS will never engage into any argument with IP site security/caretaker/technician. If site technician/security/caretaker refuses to allow access to site during both Normal and odd hours, the staff should immediately report to Site In charge and must not leave site until the Site in-charge gives permission to do so.
- vi. Replacement of the faulty modules with repaired modules as per instructions of Site In charge
- vii. In case of BTS outages due to card faults of BTSs/ NODE-Bs/ e-Node Bs fault, replace the fault items with the spare module /cards as per instructions of BSNL Site In charge
- viii. Faulty card/units of BTS sites and other equipment's need to be deposited at designated center as per requirement & collection of repaired unit. It will be the responsibility of bidder that during transportation no cards/unit get damaged.
- ix. Any Mini Link/ OFC failure to be intimated to site in charge for prompt restoration of OFC fault, details of visual alarm noticed to be communicated to the maintenance In-charge.
- x. Air filter cleaning in BTS/ Node B/ e-Node B, every month and entry in log book of site.
- xi. For prolonged failure of Electricity as intimated by BSNL officer, Coordination for restoration of EB in consultation with IP In charge.
- xii. To check Earth Connectivity is available at BTS/ Node B/e-Node Bs (All measuring instruments to be

- provided by the vendor).
- xiii. Vendor personnel should be provided with photo ID cards by Outsourcing Vendor
 - xiv. The field staff being deployed should be provided with 2 SIMs one of BSNL & other from private TSPs for communication when BTS site is down. The list of same shall be provided at the time of Agreement. In case of any change in staff during the contract, the same shall be updated. BSNL employees too will share their 2 Mobile nos. of BSNL and other TSP.
 - xv. Maintaining EMF related boards and help in providing data for Biennial/Triennial submission of EMF Radiation for Mobile sites. (Bidder shall assist in Biennial/Triennial related activities like getting photograph & uploading to SSA/BA CMTS Team etc.).
 - xvi. Assistance in handling of minor store items.
 - xlvi. Ensure working of Power plant alarms with OMC-R.
 - xlix. First line maintenance of BTS/ media equipment and any problem reported.
 - xvii. Bidder to perform Preventive Maintenance activities as per the PM Annexure, will maintain the register for this activity and will submit the copy of the same duly verified by concerned unit-in-charge along with monthly bill.
 - xviii. In case of any Power Plant outages due to fault in control card intimation to be given to Site In charge/ IP incharge for attending the same on priority.
 - xix. Bidder has to provide related testing equipment's and necessary conveyance to discharge the functions listed in the tender.
 - xx. Bidder should provide safety shoes, helmets to maintenance staffs as per safety regulations of IPs
e.g. INDUS, ATC for attending faults in IP sites
 - xxi. Routine check of Equipment's i.e. BTS/ Media etc. and record the same in log book as per the periodicity defined for the visit (monthly). Reporting of any alarms/faults/untoward incident to the concerned officer.
 - xxii. Periodicity of visit to be at least once in 2 weeks for IP sites.
 - xxiii. Site visit/ inspection/ cleaning activity proof to be provided at least once in a month to Site In charge.
 - xxiv. Due to heavy dust, temperature of BTS site increases and efficiency degrades. Hence, cleaning of all types of BTS/media equipment need to be carried out. This should be done using proper tools (to be provided by the bidder) including vacuum cleaner and under supervision.
 - xxv. Cleaning of the site including BTS OD cabinet & Media equipment etc. All tools & Cleaning material to be provided by the bidder
 - xxvi. Assistance to transmission media team for extension of loop test, observation of alarm indicators, giving reset etc for troubleshooting shall be done. Testing of E1/FE/GE and other media activities from BTS site to BSC/RNC related equipment (looping/ measuring of Optical power) as and when required.
 - xxvii. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder.

E. Rigger activities for BSNL, Non-BSNL and IP sites

- i. Dismantling of Antenna
- ii. Installation of Antenna
- iii. Dismantling of Antenna Fixture (for phase/ Space diversity antenna)
- iv. Fixation of Antenna Fixture (for phase/ Space diversity antenna)
- v. Height lowering of Phase Diversity Antenna along with fixture
- vi. Hoisting of RF Cable including connectorisation
- vii. Removing of RF Cable
- viii. Installation of Microwave Dish Antenna (Mini Link)
- ix. Dismantling of Microwave Dish Antenna (Mini Link)
- x. Microwave Link LOS work including ODU replacement
- xi. ODU Replacement for Minilink.
- xii. Re-orientation/ Tilt adjustment of Antenna.
- xiii. Verification/ Replacement of weather proof tapes to prevent water entry.
- xiv. Verification/ replacement of connectors/ fittings and removal of VSWR including connectorisation and weather proofing.
- xv. Assistance in Verification/correction of MW LOS.
- xvi. Verification/ correction of Lightning Arrestor and its fittings.
- xvii. Sector addition.

- xviii. Antenna Changing.
- xix. Microwave Fault attending.
- xx. Microwave installation/replacement.
- xxi. CPRI cable fault attending/replacement.
- xxii. Feeder/ RF/ OF cable fault attending and replacement.
- xxiii. 2G/3G/4G booster installation.
- xxiv. 2G/3G/4G Repeater installations.
- xxv. Any other related works in Tower.
- xxvi. Antenna Orientation & Tilt as per requirement for optimization.
- xxvii. VSWR fault rectification per sector (includes reconnectorisation, jumper cable change & weather proofing) (Handheld VSWR meter to be provided by the Vendor as per requirement)
- xxviii. Checking & correction of RF cable/ Fiber swap, Antenna at RRH, removal of bird/honey bee/waspnest.
- xxix. Hoisting of CIPRI cable to RRH (Base Unit to RX unit on tower), per meter
- xxx. Connectorization of CIPRI Cable at RRH, per Site
- xxxi. Hoisting of Power cable to RRH (Base Unit to RX unit on tower), per meter
- xxxii. Connectorization of Power Cable including boot sealing, at RRH, per Site
- xxxiii. Running of Earthing Cable with connectorization to RRH, per meter
- xxxiv. VSWR fault rectification per sector (includes reconnectorization, jumper cable change & weather proofing), at RRH and Antenna ends
- xxxv. Hoisting of IF cable with connectorization, per meter
- xxxvi. RF module dismantling with SFP, per module
- xxxvii. Fixing of wall mounting fixture, per fixture
- xxxviii. Installation of RF cable tray for wall mounting Antenna per meter
- xxxix. Installation of Micro/ Macro BTS Equipment per unit
- xl. Laying of RF Cable per meter for Micro BTS (50M /site)
- xli. Installation of Splitter including connectorization
- xlii. Installation of Patch/Panel/ Omni antenna with connectorization
- xlii. RF Repeater Installation including Yagi/ Panel Antenna & RF Cable of 25M
- xlili. Completion of ordered RF optimization/ rigger activity.
- xliv. Restoration of Rigger related fault resulting in site fully/ partially down
- xlvi. RRH replacement (dismantling and installation) in case of faulty one or new one
- xlvii. RRU link (Link between BBU-RRH link) restoration for RRH sites along with provision to provide the RRU link materials if found damaged).
- xlviii. If the microwave IDU/ODU IF connector faulty, the bidder is to arrange these IF connectors and replace them
- xliv. EGB / IGB fixing.
 - 1. Grounding of feeder cable.
 - li. Laying of RF jumper cable and Connectorization of jumper cable.
 - lii. Fixing of surge arrestors.
 - liii. Heat shrinks joint at Indoor jumper / power cables.
 - liv. Hoisting / de-hoisting of RRH.
 - lv. Hoisting / de-hoisting of Microwave IF cable from IDU to ODU on tower with connectorization.
 - lvi. Hoisting / de-hoisting of Radio modem ODU with antenna.
 - lvii. De-hoisting CAT (1+1) cable from antenna(ODU) on tower to IDU.
- lviii. Alignment of Radio modem antenna at A and B end for link up of the system.
- lix. Rigger activities including Hoisting / Dehoisting of all type of RF work
 - lx. Hoisting / Dehoisting of Heavy RF material require supporting workers and may be included in tender.
 - lxi. RRH/RRU attending or replacing antennae required additional man power apart from rigger alone.
- lxii. Changing of OVP (Over Voltage protection)
- lxiii. All measuring/ safety materials and proper dedicated transport to be provided by the Vendor, BSNL will not be liable for any claim against any accident/ mishappening occurs while performing any task defined under this tender by the bidder personnel.
- lxiv. Any other activity with minor modification in RF as per guidance of BSNL
- lxv. For any tendered work not attended in time, BSNL will have the right to get it done from external resources

and payment made to them will be recovered from bidder

F. Scope related to Diesel filling and DG operation (Excluding IP sites):

- i. BSNL has an MOU with oil companies for procurement of diesel from their specified outlets through petro/ fleet cards. Petro/ fleet card will be issued to the vendor or his authorized person & payment will be made directly to the oil companies by BSNL. The bidder(s) shall draw diesel by means of the fleet card/petro- cards under the control of SDE/ SDO. The bidder(s) shall use appropriate vehicles (to be arranged by the bidder) for transportation of diesel from the designated nearest petrol pump to the sites. Any loss/ misuse of the petro/ fleet cards issued to the vendor will be the responsibility of the Vendor. Any such losses will be recovered by BSNL from the vendor by adjusting against the payment due to the service provider or will be recovered from PBG.
- ii. In the case of any pilferage/ misuse causing loss to BSNL, a penalty of 200% of the loss or as decided by the competent authority of BSNL will be imposed on the bidder. Any reduction in the diesel cost/ loyalty benefits in view of the MOU will be availed by BSNL. It will be the responsibility of the bidder to reconcile the diesel consumption as per actual usage in field with that in petrol/ fleet card account.
- iii. The diesel filling in specified BTS sites shall be carried out on a periodic basis, including transportation from Petrol Pump. On an average, every site needs diesel filling as and when required. The service provider shall study the alarms extended from the BTS to learn about the power outage and swiftly act to fill the diesel. Hence, the requirement pattern shall be studied by the supplier and fuel filling be designed accordingly, so as to ensure the availability of fuel ensuring 4 hours of back-up.
- iv. Obtaining a special permit, if any required, from the Motor vehicle department or any other authority for transporting diesel in bulk through motor vehicle shall be the responsibility of the contractor.
- v. Checking the level of diesel in the DG tank at the time of filling (opening level & closing level) and making necessary entries in the prescribed log book for diesel filling. If there is any kind of dispute regarding the diesel consumption, in that case a joint team of bidder(s) and BSNL will carry out the diesel consumption check on the disputed site and the average checked will be used for both retrospective as well as prospective reimbursements for that sites.
- vi. BSNL will not be responsible for any delay in payment of invoices or expenses due to any error, incomplete statement or late receipt of the same.
- vii. The bidder(s) should have technical support to determine and judge the number of electricity units generated by using one litre of diesel fuel. Actual consumption of diesel at site will be verified with the help of CPH, DG HOUR METERS, DG KWH METERS.
- viii. Pilferage of diesel will lead to severe penalty and recovery from the vendor. Therefore, this is in the interest of both Vendors and BSNL that correct hour meter and KWH Meter readings to ascertain actual consumption shall be exhibited at the site, which will be verified by BSNL, from time to time. Records of these parameters shall invariably be maintained. DG servicing and tuning /maintenance should be done to have the maximum fuel efficiency. However, the frequency of DG shall be maintained to the standard level only.
- ix. The Average load of the site shall be reviewed based on actual measurement on quarterly basis. The mechanism of testing and determination of average load shall be decided by department.
- x. Entering DG & Battery voltage readings/status in the BTS site log book
- xi. Checking the meter reading in the DG run hour meter (opening and closing readings) and Controller logged hours (if available) and making entries of DG run hours in the Prescribed log book.
- xii. Running of DG sets as and when required at any time of the day or night. Assisting in Diesel filling.. Assistance in the handling of minor store items.
- xiii. During the availability of main electric supply, DGs are not to be run. The operator shall keep the track of drainage of exchange battery voltage and shall start only when the voltage drops to 49 V.
- xiv. In the event of EB supply failure, operator shall operate DG after verifying the sufficient drainage of Exchange

battery voltage. If power is not resumed within two hour, he may stop the EA Set and again allow the exchange battery voltage to drain sufficiently. The same sequence should continue till resumption of power supply

- XV. Arranging test run in case, if any dispute arise between the Contractor and the BSNL official concerned.
- Xvi. The fuel utilization reconciliation will be based on CPH based validation with run hr meter count plus DG run readings from OMCR/NOC. As per BTS load and capacity of DG, the average CPH may be taken as 2.2 Liter / Hour for DG Sets up to 15 KVA capacity and 2.7 Litre/ Hour for more than 15KVA capacity. However, this is indicative data and actual CPH may depend on individual make/capacity and will be informed by site incharge.
- Xvii. DG hour meter and KWH meter and AMF panel incorporated in DG to be kept in working condition and any tampering / fault will entail penalty as well as action for recovery of losses to BSNL.
- Xviii. DG battery should be maintained, safeguarded and kept in charged condition at the site so as to start the DG at the time of main supply outage. Life of DG battery is minimum two years. Therefore, if any damage happens to the battery within this period, the agency has to replace it free of cost. At the time of hand over, healthy battery will be provided (approximate used period / manufacturing date will also be indicated).
- Xix. Other than the periodic refilling, whenever there is an emergency requirement based on OMCR low fuel alarm or message given by the concerned officer, refilling shall be arranged within three hours on getting such intimation
- XX. BSNL may order for Diesel filling for specific site as per requirement. Ordered diesel filling should be done by the Vendor within 24 hours of intimation.
- XXi. A monthly Site wise statement detailing the opening balance of diesel, diesel filled during the month, closing balance, DG run hours etc shall have to be submitted by the bidder(s) to BSNL.
- XXii. BSNL reserves the right to incorporate and ask for any other reconciliation / operation report during the currency of tender.
- XXiii. The service provider/contractor shall ensure that the DG should be run in case of power failure. The agency has to develop a methodology of getting information of power failure and action to start and stop EA Set accordingly. After power failure and as per the battery voltage conditions, the firm shall make arrangements for DG Start and stop in case auto mode operation of DG set is not functional
- XXiv. A-check of DGs including its test operation, monitoring of fuel/ oil/ coolant level, check leakage if any, test operation of changeover of MSEB/DG supply etc shall be done. All alarms of DG such as Low fuel level, DG on load shall be kept up-to-date for log verifying log book entries.
- XXv. Proper maintenance of earth I /c watering & checking for healthiness up to DG is to be done, to have a stable power supply EA Set.
- XXvi. The payment of diesel cost from BSNL will be limited to actual consumption based on log book after applying the ceiling limit based on the consumption computed with Run Hour meter reading and per hour consumption indicated in this tender document, on a which-ever-less basis.
- XXvii. The payment will be based on logbook entries, but will be limited to monthly consumption based on run hour meter reading and the average consumption in liters/hour for each DG shall be measured along with the BSNL team and jointly signed off soon after any site is added in work order for diesel filling. In general, as per BTS load and capacity of DG, the average CPH may be taken as 2.2 LITRE / HOUR for DG Sets up to 15 KVA capacity and 2.7 Liter/Hour for more than 15KVA capacity. It is to be noted that in no case, hour meter remains non-operational for consecutive months
- XXviii. The bills will be verified, passed & forwarded by BSNL representative based on the consumption in liters / Hour indicated in the tender document. Any extra cost incurred will be the responsibility of the bidder. If the diesel cost through Petro/ fleet card is found to be less than the diesel consumption based on mileage, the bidder will not have any claim for the additional cost.
- XXix. The sites for which even one instance of diesel filling in the month is not recorded will not be considered for Diesel filling expenses for the said month.
- XXX. In the case of MOU with oil companies, BSNL will pay directly to the Oil companies. Any excess usage of Diesel after tallying with log book entries/Run hour meter will be adjusted from bills at the end of every quarter.

- xxxvi. The bidder has to supply and maintain a log book in every site/ Exchange for Diesel filling. It is the responsibility of the bidder to update the logbook promptly on Diesel filling.
- xxxvii. Concerned BSNL officers will periodically verify the logbook entries and put their initials. The bidder has to seal and lock the hour meter in the presence of BSNL representative. Every month the hour meter reading is to be noted by bidder along with the BSNL representative and a consolidated statement along with log book reports is to be submitted by the bidder. Under any circumstances if any of the units like run hour meter is faulty then the diesel filling should be done under the supervision of any of the BSNL officers/ persons authorized by BSNL.
- xxxviii. If the bidder provider feels that average consumption per hour in that site is to be reviewed due to aging of DG or other factors then a test run can be requested by the bidder to recalculate the Average consumption/hour for that particular site. The test run will be conducted by a joint team consisting of representatives of bidder and BSNL. Once having jointly signed off on CPH, review will not be made for another six months.
- xxxix. If any fraudulent activity by the personnel deployed in filling of diesel/ running of DG in Mobile sites is detected by BSNL authorized personnel/officer, then the bidder(s) is liable to pay penalty as assessed by BSNL i.e. the cost of consequential damages to installation(s)/DG set(s) would be deducted at actual, from the bidder's bill. This will be over and above the other penalties and will not be subject to capping if any.
- xl. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder

DG Set Maintenance Activities

Weekly/ monthly DG check schedule need to be followed and any problem need to be communicated to Mobile/Exchange site In-charge. Weekly/ monthly schedule along with the maintenance activities to be covered will be communicated by Mobile/ Exchange site Incharge. Suggestive activities are as below:

- i. Make sure there are no fluid leaks
- ii. Run the generator (typically no-load, automatic transfer switch exercise cycle).
- iii. Verify that the unit ran and has no alarms or warnings.
- iv. Ensure adequate fuel levels.
- v. Ensure that the generator is in "Auto" mode, for automatic startup.
- vi. Check engine coolant level.
- vii. Check engine oil level.
- viii. Check the battery charger.
- ix. Run the generator (with load, automatic transfer switch exercise cycle).
- x. Manual assistance in changeover of MSEB/DG supply and attending to minor faults like tripping of switches, manual changeover in AC units, swapping of power plant unit etc.
- xi. Routine check of DG, Power plant, Battery and Equipments and record the same in log book as per the instructions given in the log book. Reporting of any alarms/ faults/ untoward incident to the concerned officer.
- xii. Assisting in Diesel filling in the DG Set available at the site.
- xiii. Check the battery electrolyte level and specific gravity.
- xiv. Check battery cables and connections.
- xv. Inspect drive belts.
- xvi. Inspect the coolant heater.
- xvii. Check coolant lines and connections.
- xviii. Check for oil leaks and inspect lubrication system hoses and connectors.
- xix. Check for fuel leaks and inspect fuel system hoses and connectors.
- xx. Inspect the exhaust system, muffler and exhaust pipe.
- xxi. Check and clean air cleaner units.
- xxii. Inspect air induction piping and connections.
- xxiii. Inspect the DC electrical system, control panel and accessories.
- xxiv. Inspect the AC wiring and accessories.

II. Rigger activities for Non-Outsourced mobile BTS sites on fault/need basis

- A. The tentative list of activities is mentioned in table below. Rigger activity work for Non-outsourced mobile BTS sites will be allotted on fault/ need basis and payment against these activities will be made as per applicable multiplying factor (MF) mentioned in the table below & according to the one unit rate finalized in the tender.

List of Rigger activities for Non-Outsourced mobile BTS sites		
S No	Description of Work with riggers	Multiplying Factor (MF)
1	Antenna Orientation & Tilt per sector	0.5
2	Dismantling of Antenna, per antenna	0.8
3	Dismantling of Antenna Fixture, per fixture (single pole fixture)	1
4	Dismantling of Antenna Fixture, per fixture (Double pole fixture)	1.6
5	Installation of Antenna, per antenna	0.8
6	Fixation of Antenna Fixture, per fixture (single pole fixture)	1
7	Fixation of Antenna Fixture, per fixture (Double pole fixture)	1.5
8	Height lowering/raising of Phase Diversity Antenna with AMF	2
9	Hoisting of RF Cable including clamping and connectorization, per 10 metre	0.15
10	Removing of RF Cable, per 10 metre	0.1
11	VSWR fault rectification per cable (includes reconnectorization, jumper cable change & weather proofing) at tower top.	0.5
12	Weather Proofing, per cable	0.1
13	Checking & correction of RF cable swap, per site/ replacement of SFP/OVP	0.5
14	Installation of Microwave Dish (Mini Link), per Antenna	2
15	Removing of Microwave Dish (Mini Link), per Antenna	1.5
16	Microwave Link LOS work (Per Site)	0.5
17	ODU Replacement for Mini link, per Antenna	0.6
19	Laying of RF Cable per 10 meter for Micro BTS (IBS)	0.2
20	Installation of Splitter including connectorization	0.2
21	Installation of Patch/Panel / Omni antenna with connectorization	0.2
22	RF Repeater Installation including Yagi / Panel Antenna & RF Cable up to 25M	1
23	Removal of Honey bee/wasp nest	1.5
24	Removal / installation of one faulty RRH module from tower and packing	1
25	Replacement of CAT-5/CAT- 6/IF/CPRI/ RRH power cable on tower per cable	0.3
27	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at Antenna End per Unit	0.5
28	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at BTS End per Unit	0.5
29	Replacement of "Jumper Cable including weather coating" at Antenna/BTS Per No.	0.1
30	Grounding of "RF Cable".	0.2
31	Installation/ Dismantalling of "Minilink Pole/fixure" (Pole/fixure supplied by BSNL) Per Pole	0.5
32	Hoisting/Replacement of aviation light Per Site	1
33	EMF Survey photo Per Site	0.2
34	Erection/installation of runway/cable tray per meter with support (runway material will be provided by BSNL)	0.2
35	The rate for any work that is required to be done and it is not available in the above list can be mutually decided by BSNL and the service provider based on the unit/units for another work requiring similar skill & effort	

- B. The payment shall be made as per actual usage. Transportation of the rigger within the cluster is the

responsibility of the vendor.

- C. Service Provider and SSA may assess the further requirement of a specialized workforce based on the requirement and number of sites in SSA.
- D. The charges against handling, by way of loading and unloading wherever required, of items required for doing the rigger works is deemed part of the rigger work ordered even if not explicitly stated. This is applicable even if the work involved carrying of items to upper storeys of any building.
- E. Transportation arrangement of rigger force to the sites shall be the responsibility of the Service Provider.
- F. Methodology of some rigger activity works: The work activities listed in table above are to be performed as per specifications given for some of them below and as per instructions of Engineer-In-charge. The balance works in the table shall be done as per best practices in the industry and standard, instructions of Engineer-In-charge and any guidelines from the OEM concerned.

i. VSWR Measurement & Correction

- 1 Correction of VSWR to be done and proper weatherproofing to be done to avoid fault repetition. VSWR corrective action includes tracing of VSWR fault with the help of site master, RF connector cleaning/making, changing faulty RF jumper and cleaning of whole RF cable, in case rain water reaches inside it.
- 2 Standard waterproofing material is to be provided by contractor and applied by the contractor at the time of VSWR correction.
- 3 VSWR of the corrected sector to be measured with Site Master & to be confirmed with OMCR Staff. Ideal value of VSWR is less than 1.3.
- 4 Repeated VSWR faults of the same Sector/Antenna will not be treated as a new fault for a duration of Six months from the last VSWR correction date.

ii. Rectification of Mini link /Radio Modem faults

- 1 Alignment of the Antenna is to be done, so that LOS (Line of Site) link is established with the far end terminal and the SNR (Signal to Noise Ratio) is within the acceptable limits.
- 2 Checking of AGC voltage using appropriate Meters at MW antenna end at both locations simultaneously and monitoring of Rx Lev Power at Both ends for proper tuning/ alignment of Microwave Antenna to be done and MW link is to be established with adequate Rx levels as per the instruction of BSNL Incharge
- 3 Ensuring of proper earthing of Mw antenna Structures, IF cables to be ensured
- 4 Proper Connectorization of IF cables, Earth cable termination and Weather proofing at connector portion of Antenna should be done.
- 5 Proper leading of IF cable up to the MW IDU unit to be ensured
- 6 Ensuring of proper Power cabling from Critical MCB points of Power Plant (if provision available) to the MW IDU, ensuring proper Earthing of IDU to Ground Bar.
- 7 EI's from the DMW system should be terminated on the DDF (Digital Distribution Frame) at the BTS (Base Transceiver Station) side.

- 8 Alignment of Radio Modem Antenna with Far end to adequate RSSI values to establish stable Radio Modem Links to be done
- 9 Ensure proper Earthing, Connectorization and Weather Proofing of POE cables at Radio Modem Antenna end as well as Indoor Switch Equipments.

iii. Addition/Removal of 2G, 3G, 4G and Mini Link (ODU Dome) Antenna Along with Fixture/Mount.

- 1 Addition/ Removal/ Replacement of Indoor type Antennae viz Patch Panel, Dome Type etc as part of Indoor Coverage enhancement and Small Cell deployment to be done as per the instruction of BSNL Incharges

iv. Addition/Removal of RF (Feeder) Cable at any Tower

1. Replacement of faulty RF (Feeder) cable between BTS & Antenna as & when required to rectify the fault.
2. Laying of new RF cable in case of theft or need basis & removal of damaged RF cable.
3. Replacement/laying of RF (feeder) cable includes connectors making, termination of RF cable between Antenna & BTS and weather proofing at all required joints.

v. Erection/installation of runway/cable tray [External Feeder cable Gantry]

- 1 The external gantry (cable tray for waveguide / RF feeders) should be typically made of 45x45x6 mm angles and should be of hot dip galvanized iron material [material will be given by BSNL]. The same should be at least 45 cm wide in order to give provision for future cables. It should be supported strongly on a cemented base on the ground on coupled dual pipes, every 5 meters] so as to ensure proper support for working personnel on the gantry.

vi. The manpower resources deployed for execution of these works shall be generally in addition to the resources attached for cluster- based site maintenance. But they shall work in coordination with each other for the best results.

**SECTION-3 Part B
(PENALTY)**

S.N.	Activity	Timelinesfor attending/rectification	Penalties (persite)	Severity level	
A	Complete outage	<ul style="list-style-type: none"> SatisfactorysupportinSiteupkeepandprompt action for rectification ofalarms/faultsinsite ReplacementoffaultyBTS/Mini-Linkcards /Riggeractivity/PPmodules/Cablesincaseof complete outage. 	<2hrs	NoPenalty	Critical
			>2to4<hrs	Rs30/hr	
			>4to8<hrs	Rs50/hr	
			>8to12<hrs	Rs100/hr	
			>12hrs	Rs200/hr	
B	Partial outage	<ul style="list-style-type: none"> SatisfactorysupportinSiteupkeepandprompt action for rectification ofalarms/faultsinsite ReplacementoffaultyBTS/Mini-Linkcards /Riggeractivity/PPmodules/Cablesin caseofpartialoutage.(sectordownduetoVSWR) 	<12hrs	NoPenalty	Major
			>12to24<hrs	Rs20/hr	
			>24hrs	Rs30/hr	
C	QoS	Attending/rectificationonthefaultrelatedto(riggeractivity, VSWR, Tilt, Orientation, Antenna heightadjustment, swapping etc.)	<24hrs	Nopenalty	Major
			>24to48<hrs	Rs10/hr	
			>48hrs	Rs30/hr	
D	Alarm	BTS/PP/INFRArelatedALARMEXTENSION uptoOMCR,ensureworkingofalarms	one month ofdoctetbookin g	NoPenalty	Major
			morethanone month	Rs50/day	
		Attending/rectificationonthefaultrelatedtoBTS/PP/ INFRArelatedAlarm	<24hrs	NoPenalty	
			>24to48<hrs	Rs10/hr	
			>48hrs	Rs30/hr	
E	Misc	Faultycard/unitstobedepositedatdesignatedcentr eandcollectrepairedunit	1day	NoPenalty	Major
			>1day	Rs50/day	
		Removalofbird/honeybee/waspnest,Aviationlamp	7 days of docketbooking	NoPenalty	
			>7day	Rs50/day	
		cleaning/bushcuttingatsitewithinweekperinstancesper site	7 days of docketbooking	NoPenalty	
			>7day	Rs50/day	
		Periodicalcheck-upofPP&batterycharging	7 days of docketbooking	NoPenalty	
			>7day	Rs50/day	
		Maintaining EMF related boards and help inprovidingdataforBiennial/Triennials submission of EMFRadiationforMobilesites.	7 days of docketbooking	NoPenalty	
			>7day	Rs50/day	
	1 day ofintimati	NoPenalty			

		OrderedDieselfilling	on		
			>1day	Rs100/day	
F	DG Operation	StartingofDGsetasrequired/powerfailure	<3hrs	Nopenalty	Critical
			>3hrs	Rs.100/hr	
		fillingofDieselatthesite/exchangeresultinginsite/ exchangebeing fully/ partiallydown	<3hrs	Nopenalty	
			>3to6<hrs	Rs50/hr	
			>6to12<hrs	Rs100/hr	
>12hrs	Rs200/hr				
G	PM	PMactivityaslistedinAnnexure	Beyond thetimeline definedinPMAn nexure	Rs100 /week	Minor
H		Firstlinemaintenance/reporting	<3hrs	Nopenalty	Minor
			>3hrs	Rs.20/Hr	
		Any other single instance of non-completion ofordered activity & single instance ofperformance deviation as per tender, unlessdefined in the abovepenalties	>1 daydelay	Rs.30/day	
General:Performance deviation duetoBSNLreasonswillbeexemptedfromPenalties					
1	Missing/damage/theftofthecard/unitaftertakingcustodyofthesamefromBSNLtilldeploymentinBTS/Equipment willbevendor'sresponsibilityandtheactualcostofthecardwillberecoveredfrom thebill.				
2(i)	Penalties attributable to the bidder will be capped to 20% of the total contracted value for the services oftherelevantinvoiceperiod.However,iftotalpenaltiesreachingthecappinglimit(i.e.20%)consequently for3monthsin suchcases thecappinglimitwillberevisedto40%oftheinvoiceanditwillberestoredbacktooriginal20 %whenthepenaltiesis below20%forthreeconsequentmonths.				
(ii)	Ifthetotalpenaltiesreachingthecappinglimitconsecutivelyfor3Month,BSNLwillhavetherighttoterminatethe contract oftheconcernedBA/SSA withoutanyfurthernotice.				
3	IfanyfraudulentactivitybythepersonneldeployedinfillingofdieselinGSMsitesorinsiteMaintenanceactivities,is detectedbyBSNLauthorizedpersonnel/officer,thenthebidderis liabletopaypenaltyi.e. ThecostofconsequentialdamagetoanyBSNLequipment/installation(s)/DGset(s)wouldbededucted atactual,from theserviceprovider'sbill.Thiswillbeoverandabovetheotherpenaltiesandwillnotbesubjecttocappingifany.				

Note: - (1) The Bidder(s) shall attend/resolve all the infrastructure related alarms twenty four hours, seven days a week i.e. @24x7.

(2) A Centralized NOC will be established at BA/Circle level to monitor all the Activities related to Mobile Sites. In case of any ambiguity between the field performance report/ Vendor report /NOC report. The report of NOC will be treated as final.

SECTION-3 Part C
((PREVENTIVEMAINTENANCE))

Appendix-I (PM checklist)

1	Power Plant Testing	Monthly	To be done as per Appendix-II
2	AMF/ACPDB Panel Checking	Monthly	
3	Battery Bank Testing	Quarterly	
4	Air Conditioner Testing	Monthly	
5	External Alarm Testing	Weekly	
6	General Inspection	Monthly	
7	Earthing Value test	Six monthly	
8	DG Set Checking	Weekly	
9	Cleaning	Monthly	
10	Grass Cutting and External Cleaning	Weekly	
11	Pre Monsoon Checkups	Quarterly	

Appendix-II

S.No.	Equipment Type	Worktobe done
1	PowerPlantTesting	ProperworkingofPowerPlantwiththeexistingModules,Dust cleaning, Tightening of Input and output terminals,replacement of burnt lugs and connections, earthing,Alarms,etc.
2	AMF/ACDBPanel Checking	Tightening of Input and output terminals, replacement ofburnt lugs, fuses and connections in ACDB, removal ofexcess sagging of service wire from pole to ACDB,dry joints at poles in co-ordinationwithEBofficials,AMFpanel withAlarms,etc.
3	Battery Bank Testing	Battery cells physical checking with voltage after disconnecting EB mains supply, cleaning of Batteries and battery terminals,tightening of all the Battery terminals, providing of jelly to the terminals,Test discharge of Battery.Log book entry to be made for battery voltage value.
4	AirConditioner Testing	Checking of Proper working of AC unit through controlpanel, filter cleaning, working of Temperature sensor,checkingofalltheelectricalconnections,etc.,
5	ExternalAlarmTesting	Extension of external alarms and Checking of properworking of external alarms. The current list is beingattached.The list of alarmstobeupdatedbyBSNLCOfromtimetotime.
6	General Inspection	Inspection of BTS site including all the equipments alongwith BSNL team , Checking of all the log books/records maintained in the site, condition of signage boards(EMFrelated), checking of proper working of all the doors/doorhingesofBTS,DGandShelter/Room.
7	EarthingValue test	Exchange/BTS/Tower earth check. Checking of earthresistanceofACandDCasperthestandardvalue
8	DG Set Checking	Checking of proper working of DG set by test run,Tightening of Input and output terminals, replacement of burnt lugs and connections,dust cleaning,checking of oil leakages,checkingof DGrelatedAlarms,etc.,
9	Cleaning	Cleaning of Room/Shelter/Compound Area, Filter & dustcleaning ofBTS/Exchangeandotherequipment.
10	Grass Cutting and External C leaning	Regular maintaining of BTS site/Tower/Exchange by Cleaning and removing of vegetation/Grass/Bush/creepers.
11	Pre Monsoon Checkups	Checking of proper working of DG,preservation of fuel for DG with sufficient quantity,checking andcleaning of EBconnections from electrical pole to ACDB in co- ordinationwithEB officials.

Appendix-III (General Inspection)

Sl. No.	CheckList	Specifications	Observations/Remarks
1	Shelterproperlycleaned	yes/no	
2	AnyExtramaterialinsideshelter	yes/no	
3	DGSet/canopyproperlycleaned	yes/no	
4	VRLABatteryBank	ok/notok	
5	Generalsitecleaning	done/notdone	
6	AviationLight&itsfunctioning	ok/notok	
7	Lightening Arrestors and itsconnection	ok/notok	
8	DGSilencerandEarthpitpaint	ok/notok	
9	Shelteroutsidcleaning	ok/notok	
10	Grasscutting	ok/notok	
11	Outsidcleaning	ok/notok	
12	Lightsystemindoor&outdoor	ok/notok	
13	PropershadingorEnergyMeter	ok/notok	
14	Cheating for overheating ofEnergyMeter	ok/notok	
15	Earthpitcondition	ok/notok	
16	Any leakage inside/ outside theDG	ok/notok	
17	Any Waste material at site likeused lube oil usedfilters, old clothes.	yes/no	

SECTION-4 Part A
GENERAL INSTRUCTIONS TO BIDDER(s) (GIB)

1.0 DEFINITIONS

- a) **"The Purchaser"** or **"The Hirer"** means the CGMT of Bharat Sanchar Nigam Ltd., Chhattisgarh Circle Raipur (CG)
- b) **"The Bidder"** means the individual or firm who participates in this tender and submits its bid.
- c) **"The Supplier"** or **"The Vendor"** or **"The Service Provider"** means the individual or firm supplying the goods or services under the contract.
- d) **"The Goods"** means all the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the contract.
- e) **"The Services"** means providing maintenance services for external plant which the Supplier is required to supply to the Hirer under the contract.
- f) **"The Advance Purchase Order"** or **"Letter of Intent"** or **"The Advance Work Order"** means the intention of Purchaser to place the Work Order on the bidder(s).
- g) **"The Purchase Order"** or **"Service Order"** or **"Work Order"** means the order for hiring services placed by the Purchaser on the Supplier signed by the Purchaser including all attachments and appendices thereto and all documents incorporated by reference therein. The Service order shall be deemed as **"Contract"** appearing in the document.
- h) **"The Contract Price"** means the price payable to the Supplier under the purchase/service order for the full and proper performance of its contractual obligations.
- i) **"Successful Bidder(s)"** means the bidder(s) to whom work in this tender/EOI is awarded.
- j) **"Cluster"** means group of BTS sites (2G/3G/4G).
- k) **"SSA"** means Secondary Switching Area defined by BSNL i.e. Telecom revenue district.
- l) **"BA"** means Business Area comprising of two or more SSA's.
- m) **"BTS"** shall include Active equipment of 2G/3G/4G network element for making the site in working condition. It will include equipment of Alcatel/ZTE/Nokia/TCS-Tejas make consisting of TRX/BBU/RRH/RSU/TRDU based BTS and antenna (generally comprising of 3 sectors).
- n) **"Transmission Equipment"** shall include Minilink (ODU & IDU)/CPE/STM/CPAN/OTN etc. to provide media at the site.
- o) **"Site"** includes Mobile BTSs (2G/3G/4G) standalone or in combination (2G+3G, 2G+4G etc.) along with other infrastructure (Collocated Exchange Equipment, Battery, Power Plant, Minilink/OFC transmission equipment, Air Conditioner, Free Cooling device, DG Set, tower, antenna, Feeder Cable, electrical devices etc.)
- p) **"Telecom Service Provider"** means any Telecom operator in India, who is licensed by the Department of Telecommunications (DOT), Government of India to provide telecom services to the general public or to the other DOT licensed Telecom operators. "Telecom Service Provider" also refers to any Telecom operator in other countries providing telecom services to general public of that country or to other telecom operators of the same country.
- q) **"Upkeeping of Telecom Equipment"** means maintenance of Mobile sites for keeping site in working condition. It will include upkeep of all types of equipment including Mobile BTS/collocated Exchange, Minilink/OFC transmission system, DG, power plant and battery sets.

2.0 ELIGIBILITY CONDITIONS:

- 2.1 Kindly refer to **clause 4 of Section-1 (Detailed NIT)**.

3.0 COST OF BIDDING

3.1 The bidder(s) shall bear all costs associated with the preparation and submission of the bid. The Purchaser will, in no case, be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

4.0 DOCUMENTS REQUIRED

- 4.1 The goods/services required to be supplied; bidding procedures and contract terms and conditions are prescribed in the Bid Documents. The contents of the Bid documents are specified in the covering letter.
- 4.2 The Bidder(s) is expected to examine all instructions, forms, terms and specifications in the Bid Documents and clarifications/ amendments/addenda, if any. Failure to furnish all information required as per the Bid Documents or submission of the bids not substantially responsive to the Bid Documents in every respect will be at the bidder's risk and may result in rejection of the bid.

5.0 CLARIFICATION OF BID DOCUMENTS

- 5.1. A prospective bidder(s), requiring any clarification on the Bid Documents shall notify the Purchaser in writing by FAX or by Email of the Purchaser as indicated in the invitation of Bid. The Purchaser shall respond in writing to any request for the clarification of the Bid Documents, which it receives **14 days prior to the date of opening of the Tenders**. Copies of the query (without identifying the source) and clarifications by the Purchaser shall be sent to all the prospective bidder(s) who have received the bid documents.
- 5.2 **Any clarification issued by BSNL in response to query raised by prospective bidder(s) shall form an integral part of bid documents and shall amount to an amendment of the relevant clauses of the bid documents.**

6.0 AMENDMENT OF BID DOCUMENTS

- 6.1 The Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder(s), may modify bid documents by amendments prior to the date of submission of Bids with due notification to prospective bidder(s).
- 6.2 The amendments shall be notified in writing **through e-tendering portal (for tenders invited through e-tendering process)** to all prospective bidder(s) and these amendments will be binding on them.
- 6.3 In order to afford prospective bidder(s) a reasonable time to take the amendment into account in preparing their bids, the purchaser may, at its discretion, extend the deadline for the submission of bids suitably.

7.0 DOCUMENTS COMPRISING THE BID

The bid prepared by the bidder(s) shall ensure availability of the following components:

- (a) Documentary evidence establishing that the bidder(s) is eligible to bid and is qualified to perform the contract if its bid is accepted in accordance with the clause 2 & 10.
- (b) Bid Security furnished in accordance with clause 12.
- (c) A Clause by Clause compliance as per clause 11.2 (c)
- (d) A Bid form and price schedule completed in accordance with clause 8 & 9.

8.0 BID FORM

- 8.1 The bidder(s) shall complete the bid form and appropriate Price Schedule furnished in the Bid Documents, indicating the services to be supplied, brief description of the services, quantity and prices as per section- 9.

9.0 BID PRICES

- 9.1 The bidder(s) shall quote price inclusive of all Levies & Taxes except applicable Goods and service tax under the contract in words and as well as in figures in the attached BOQ/Price Schedule as per the price schedule given in Section 9 Part B. The offer shall be firm in Indian Rupees.
- 9.2 A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.
- 9.3 Income tax and all other taxes (except GST) enforce time to time or at present rates will be deducted from the bills of the contractor. Any other statutory tax or levies introduced by the Govt. of India/ State Govt. shall be borne by the contractor.

10.0 DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATION

- 10.1. The bidder(s) shall furnish, as part of the bid documents establishing the bidder's eligibility, the following documents or whichever is required as per terms and conditions of Bid Documents.
- a) Valid MSE Certificate, if applicable. In case the ownership of such MSE Entrepreneurs happens to be from SC/ST category, proof in this regard also need to be submitted.
 - b) Power of Attorney as per clause 14.3 (a),(d) and (e) and authorization for executing the power of Attorney as per clause 14.3 (b) or (c).
 - c) Documentary proof of GST registration.
 - d) Near relatives Certificates from the bidder(s)/Partners/Directors stating that none of their near relatives are working in BSNL in accordance with clause 34 of Section-4 Part-A.
 - e) Certificate of incorporation.
 - f) Article or Memorandum of Association or partnership deed or proprietorship deed as the case may be.
 - g) A mandatory undertaking from MSE bidder(s) regarding declaration of URC number on CPPP.
 - h) Integrity pact (applicable for tenders of value Rs. 10 Crores and above.)

11.0 DOCUMENTS ESTABLISHING GOODS' CONFORMITY TO BID DOCUMENTS

- 11.1 Pursuant to clause 7, the bidder(s) shall furnish, as part of its bid, documents establishing the conformity of its bid to the Bid Documents of all goods and services which he proposes to supply under the contract.
- 11.2 The documentary evidences of the "goods and services" conformity to the Bid Documents may be, in the form of literature, drawings, data etc. and the bidder(s) shall furnish:
- (a) a detailed description of goods with essential technical and performance characteristics;
 - (b) a list, giving full particulars including available sources and current prices of all spare parts, special tools, etc., necessary for the proper and continuous functioning of the goods for a period of three years following commencement of use of the goods by the purchaser, and

(c) a clause-by-clause compliance on the purchaser's Technical Specifications and Commercial Conditions demonstrating substantial responsiveness to the Technical Specifications and Commercial Conditions. In case of deviations, a statement of the deviations and exception to the provision of the Technical Specifications and Commercial Conditions shall be given by the bidder(s). A bid without clause-by-clause compliance of the Scope of Work, Technical Specifications, SOR (Section-3 Part A, B & C), General (Commercial) Conditions & Special (Commercial) Conditions, (Section- 5 Part A & B) shall not be considered.

12.0 BID SECURITY / EMD

12.1 The bidder(s) shall furnish, as part of its bid, a bid security as mentioned in Section-1(DNIT).

12.2 The MSE bidder(s) are exempted from payment of bid security:

- a) A proof regarding valid registration with body specified by Ministry of Micro, Small & Medium Enterprise for the tendered items will have to be attached along with the bid.
- b) The enlistment certificate issued by MSME should be valid on the date of opening of tender.
- c) MSE unit is required to submit its monthly delivery schedule.
- d) If a vender registered with body specified by Ministry of Micro, Small & Medium Enterprise claiming concessional benefits is awarded work by BSNL and subsequently fails to obey any of the contractual obligations; he will be debarred from any further work/ contract by BSNL for one year from the date of issue of such order.

12.3 The bid security is required to protect the purchaser against the risk of bidder(s) conduct, which would warrant the forfeiture of bid security pursuant to Para 12.7.

12.4. A bid not secured in accordance with Para 12.1 & 12.2 shall be rejected by the Purchaser being non-responsive at the bid opening stage.

12.5 The bid security of the unsuccessful bidder(s) will be discharged/ returned as promptly as possible and within 30 days of finalization of the tender or expiry of the period of the bid validity period prescribed by the purchaser pursuant to clause 13.

12.6 The successful bidder(s) bid security will be discharged upon the bidder(s) acceptance of the advance purchase order/Letter of Intent satisfactorily in accordance with clause 27 and furnishing the performance security, except in case of L-1 bidder(s), whose EMBG/EMD shall be released only after the finalization of ordering of complete tendered quantity.

12.7 The bid security may be forfeited:

- a) If the bidder(s) withdraws or amends its bid or impairs or derogates from the bid in any respect during the period of bid validity specified by the bidder(s) in the bid form or extended subsequently; or
- b) If the bidder(s) does not accept the LOI and/ or does not submit PBG & sign the contract/ agreement in accordance with clause 28.

13.0 PERIOD OF VALIDITY OF BIDS

13.1 Bid shall remain valid for period specified in clause 2 of Section 2 of tender document. A bid valid for a shorter period shall be rejected by the purchaser being non-responsive.

13.2 In exceptional circumstances, the purchaser may request the consent of the bidder(s) for an extension to the period of bid validity. The request and the response thereto shall be made in writing. The bid security provided under clause 12 shall also be suitably extended. The bidder(s) may refuse the request without forfeiting its bid security. A bidder(s) accepting the request and granting extension will not be permitted to modify its bid.

14.0 FORMAT AND SIGNING OF BID

14.1. The bidder(s) shall submit his bid through sealed envelopes complying all eligibility conditions, other terms and conditions of tender document to be read along with the clarifications and amendments issued in this respect. All the documents must be authenticated **using Digital Signature** by the authorized person. **The letter of authorization shall be indicated by written power-of-attorney accompanying the bid.**

Note:-The Purchaser may ask the bidder(s) to supply, besides original bid, additional copy of bids as required by him.

14.2. The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the bidder(s) in which case such corrections shall be signed by the person or persons signing the bid. All pages of the original bid, except for un-amended printed literatures, shall be signed by the person signing the bid.

14.3 Power of Attorney

- (a) The power of Attorney should be submitted and executed on the non-judicial stamp paper of appropriate value as prevailing in the concerned states(s) and the same be attested by a Notary public or registered before Sub-registrar of the state(s) concerned/Or declaration of not applicability of the firm.
- (b) The power of Attorney be executed by a person who has been authorized by the Board of Directors of the bidder(s) in this regard, on behalf of the Company/ institution/ Body corporate.
- (c) In case of the bidder(s) being a partnership firm, the said Power of Attorney should be executed by all the partner(s) in favour of the said Attorney.
- (d) **In case the representative of bidder(s) company who uploads the document on e-tender portal using his Digital Signature Certificate (DSC), is different from the authorised signatory for the**

bid (Power of Attorney holder) then the representative who uploads the documents on e-tender portal using DSC issued in his name, shall also be made as one of the power of Attorney holder by the bidder(s) Company, in addition to the authorized signatory for the bid.

15.0 SEALING AND MARKING OF BIDS

15.1 The bid should be submitted as per Clause 3 of tender information.

15.1.1 The bid is called under Single Stage Bidding & Two Envelope System The details of sealing & marking of bids in each case is given below:

15.1.2 In Single stage bidding & two envelopes system, the bidder(s) shall submit his bid **online in two electronic envelopes;**

The First Electronic envelope will be named as **Techno-commercial bid**. This envelope will contain documents of bidder's satisfying the eligibility /Technical & commercial conditions as per clause 2 & 10 with Bid Security as per Clause 12. **Second Electronic envelope** will be named as **Financial bid** containing Price Schedules as per Section **9 Part B**.

The cover of first envelope shall contain the 'Original Copy' of the Techno-commercial bid, subject to clause 14.2, duly marked '**TECHNO-COMMERCIAL BID**'. The cover of second envelope shall contain the 'Original Copy' of the financial bid, subject to clause 14.2, duly marked '**FINANCIAL BID**'.

15.2 a) The envelope for submission of offline documents shall be addressed to the purchaser inviting the tender at the address given below:-

Address: -AGM (MM), O/o The CGMT ,BSNL RAIPUR , Khamardih, Raipur (CG) 492007 (Chhattisgarh) The envelope shall bear the name of the tender, the tender number and the words 'DO NOT OPEN BEFORE' (due date & time).

b) The envelope shall indicate the name and complete postal address of the bidder(s) to enable the purchaser to return **the bidder's offline documents** unopened in case it is declared to be received 'late'.

c) **Envelope containing offline documents** should be deposited **on any date on or before bid submission end date or within 5 days after online bid submission end date as specified in NIT in a Sealed Envelope** in the tender box provided by tendering authority or sent by registered post or delivered in person on above mentioned address (address is given in Clause 15.2 (a) above). The responsibility for ensuring that the tenders are delivered in time would vest with the bidder(s).

d) Envelope containing **offline** documents should be delivered up to specified time & date as stated in DNIT in the office of **AGM (MM), O/o The CGMT BSNL RAIPUR , Khamardih, Raipur (CG) 492004 (Chhattisgarh)**. **The purchaser shall not be responsible if the bids are delivered elsewhere.**

e) **Venue of Tender Opening:** Tenders will be opened in the **AGM (MM), O/o The CGMT, BSNL RAIPUR , Khamardih, Raipur (CG) 492007 (Chhattisgarh)** at specified time & date as stated in DNIT.

If due to administrative reasons, the venue of Bid opening is changed; it will be displayed prominently on the Notice Board

15.3 If the envelopes are not sealed and marked as required at para 15.1 and 15.2, the bid shall be rejected.

16.0 SUBMISSION OF BIDS

16.1 Bids must be submitted by the bidder(s) on or before the specified date & time indicated in Clause 6 of Section-I i.e. DNIT.

16.2 The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the Bid Documents in accordance with clause 6(Section-4 Part A) in which case all rights and obligations of the purchaser and bidder(s) previously subject to the deadline will thereafter be subjected to the extended deadline.

16.3 The bidder(s) shall submit its bid offer against a set of bid documents for all or some of the systems/equipment as per requirement of the Bid Documents. He may include alternate offer, if permissible as per the bid. However, not more than one independent and complete offer shall be permitted from the bidder(s).

17.0 LATE BIDS

17.1 No bid shall be accepted after the specified deadline for submission of bids prescribed by the purchaser.

18 MODIFICATION AND WITHDRAWAL OF BIDS

18.1 The bidder(s) may modify, revise or withdraw his bid after submission prior to deadline prescribed for submission of bid.

18.2 The bidder(s) modification, revision or withdrawal shall have to be **online and digitally** authenticated as per clause 15 above.

18.3 Subject to clause 20, no bid shall be modified subsequent to the deadline for submission of bids.

19.0 OPENING OF BIDS BY PURCHASER

19.1 The purchaser shall open bids **online** in the presence of the authorized representatives of bidder(s) , online or physically present who chose to attend, at time & date specified in Clause 7 of DNIT(Section-1) on due date. The bidder(s) representatives, who are present, shall sign in an attendance register. Authority letter to this effect shall be submitted by the authorized representatives of

bidder(s) before they are allowed to participate in bid opening (A Format is given in enclosed in Section-7 C).

- 19.2 A maximum of two representatives of any bidder(s) shall be authorized and permitted to attend the bid opening.
- 19.3 Name of envelopes to be opened & information to be read out by Bid Opening Committee.
- (i) **At the time of opening the bids, initially envelope containing offline documents of all bidder(s) will be opened. The Electronic envelope consisting Techno Commercial bids of only those bidder(s) will be admitted who would have submitted required documents as offline submissions.**
- (ii) The techno-commercial bid shall be opened on the date and time of tender opening given in DNIT. The financial bid will not be opened on the Date of opening of techno commercial bids. Thereafter the CET will evaluate Techno-commercial bids & the report of CET will be approved by competent authority. The financial bids of those bidder(s) who are approved to be techno-commercially compliant by the competent authority, will be opened by TOC in front of techno commercially eligible bidder(s)/authorized representatives by sending them a suitable notice.
- (iii) The following information should be read out at the time of Techno-commercial bid opening:-
- Name of the Bidder
 - Name of the item
 - EMD amount & validity and acceptability
 - Information in respect of eligibility of the bidder.
 - Details of bid modification/ withdrawal, if applicable.
- (iv) The following information should be read out at the time of Financial bid opening:-
- Name of the Bidder
 - Name of the item
 - Quantities/prices quoted in the bid
 - Discount, if offered
 - Taxes & levies
- 19.4 The date fixed for opening of bids, if subsequently declared as holiday by the BSNL, the revised date of schedule will be notified. However, in absence of such notification, the bids will be opened on next working day, time and venue remaining unaltered.

20.0 CLARIFICATION OF BIDS

- 20.1 To assist in the examination, evaluation and comparison of bids, the purchaser may, at its discretion ask the bidder(s) for the clarification of its bid. The request for the clarification and the response shall be in writing. However, no post bid clarification at the initiative of the bidder(s) shall be entertained.
- 20.2 If any of the documents, required to be submitted along with the technical bid is found wanting, the offer is liable to be rejected at that stage. However the purchaser at its discretion may call for any clarification regarding the bid document within a stipulated time period. In case of non compliance to such queries, the bid will be outrightly rejected without entertaining further correspondence in this regard.

21.0 PRELIMINARY EVALUATION

- 21.1 Purchaser shall evaluate the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the bids are generally in order.
- 21.2 Arithmetical errors shall be rectified on the following basis. Based on the quoted percentage of duties and taxes, the amounts quoted thereof shall be worked out and rounded off to 2 decimal points.
- 21.3 If there is a discrepancy between words and figures, the amount in words shall prevail. If the supplier does not accept the correction of the errors, its bid shall be rejected.
- 21.4 Prior to the detailed evaluation pursuant to clause 22, the Purchaser will determine the substantial responsiveness of each bid to the Bid Document. For purposes of these clauses, a substantially responsive bid is one which confirms to all the terms and conditions of the Bid Documents without material deviations. The purchaser's determination of bid's responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.
- 21.5 A bid, determined as substantially non-responsive will be rejected by the purchaser and shall not subsequent to the bid opening be made responsive by the bidder(s) by correction of the non- conformity.
- 21.6 The Purchaser may waive any minor infirmity or non-conformity or irregularity in a bid which doesn't constitute a material deviation, provided such waiver doesn't prejudice or affect the relative ranking of any bidder(s).

22 EVALUATION AND COMPARISON OF SUBSTANTIALLY RESPONSIVE BIDS

- 22.1 The Purchaser shall evaluate in detail and compare the bids previously determined to be substantially responsive pursuant to clause 21.

- 22.2 L1 bidder will be decided individual cluster wise.
- 22.3 Individual lowest value in two different services will not be considered for deciding L-1 Bidder in a particular cluster.
- 22.4 In case of more than one bidder at the same lowest rate for a particular cluster, the bidder who has got more experience shall be preferred over others.
- 22.5 The CGMT Chhattisgarh Circle Raipur reserves the right to accept or reject any or all tender bids without assigning any reason thereof. The CGMT Chhattisgarh Circle Raipur is not bound to accept the lowest bid of the tender.
- 23.0 CONTACTING THE PURCHASER**
- 23.1 Subject to Clause 20, no bidder(s) shall try to influence the Purchaser on any matter relating to its bid, from the time of the bid opening till the time the contract is awarded.
- 23.2 Any effort by a bidder(s) to modify its bid or influence the purchaser in the purchaser's bid evaluation, bid comparison or contract award decision shall result in the rejection of the bid.
- 24.0 Award of Work**
- 24.1 The Purchaser shall consider issue of Letter of Intent to the lowest bidder(s) (L-1) for accepting award of work on those eligible bidder(s) whose offers have been found technically, commercially and financially acceptable and whose bids have been approved/ validated by the purchaser. The Purchaser reserves the right to counter offer price(s) against price(s) quoted by any bidder(s).
- 25. PURCHASER'S RIGHT TO VARY QUANTITIES**
- BSNL reserves the right to increase or decrease up to 25% of the quantity of goods and services specified in the schedule of requirements without any change in the unit price or other terms and conditions during the entire contract.
- 26. PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS**
- The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder(s) on the grounds of purchaser's action.
- 27. Award of Contract and ENTERING INTO AGREEMENT**
- 27.1 BSNL shall consider placement of letter of intent to those bidder(s) whose offers have been found technically, commercially and financially acceptable
- 27.2 The bidder(s) shall within 14 days of issue of the letter, give its acceptance along with performance security in conformity with the proforma provided with the bid document at Section- 7.
- 28. SIGNING OF CONTRACT**
- 28.1 The issue of Purchase order/Signing of agreement shall constitute the award of contract on the bidder(s).
- 28.2 Upon the successful bidder(s) furnishing performance security pursuant to clause 27, the Purchaser shall discharge the bid security in pursuant to clause 12, except in case of L-1 bidder(s), whose EMBG/ EMD shall be released only after finalization of ordering of complete tendered quantities.
- 29. ANNULMENT OF AWARD**
- Failure of the successful bidder(s) to comply with the requirement of clause 27 & 28 shall constitute sufficient ground for the annulment of the award and the forfeiture of the bid security in which event the Purchaser may make the award to any other bidder(s) at the discretion of the purchaser or call for new bids.
- 30. REJECTION OF BIDS**
- 30.1 While all the conditions specified in the Bid documents are critical and are to be complied, special attention of bidder(s) is invited to the following clauses of the bid documents. Non-compliance of any one of these shall result in outright rejection of the bid.
- Clauses 12.1, 12.2 & 13.1 of Section- 4 Part A: The bids will be rejected at opening stage if Bid security is not submitted as per Clauses 12.1 & 12.2 and bid validity is less than the period prescribed in Clause 13.1 mentioned above.
 - Clause 2 & 10 of Section-4Part A: If the eligibility condition as per clause 2 of Section 4 Part A is not met and/ or documents prescribed to establish the eligibility as per Clause 10 of section 4 Part A are not enclosed, the bids will be rejected without further evaluation.
 - While giving compliance to Section-5 Part A, General Commercial conditions, Section-4 Part B, Special Instructions to Bidder(s),Section-5B Special (Commercial) Conditions of Contract and Section-3 Part A Technical Specifications ambiguous words like "Noted", "Understood", "Noted & Understood" shall not be accepted as complied. Mere "Complied" will also be not sufficient, reference to the enclosed documents showing compliances must be given.
 - Section-9 Price Schedule: Prices are not filled in as prescribed in price schedule.
- 30.2 Before outright rejection of the Bid by Bid-opening team for non-compliance of any of the provisions mentioned in clause 31.1(a), 31.1(b) of Section-4PartA, the bidder(s) company is given opportunity to explain their position, however if the person representing the company is not satisfied with the decision of the Bid opening team, he/they can submit the representation to the Bid opening team immediately but in no case after closing of the tender process with full justification quoting specifically the violation of tender condition if any.

- 30.3 Bid opening team will not return the bids submitted by the bidder(s) on the date of tender opening even if it is liable for rejection and will preserve the bids in sealed cover as submitted by taking the signatures of some of the desirous representatives of the participating bidder(s)/companies present on the occasion.
- 30.4 The in-charge of Bid opening team will mention the number of bids with the name of the company found unsuitable for further processing on the date of tender opening and number of representations received in Bid opening Minutes and if Bid opening team is satisfied with the argument of the bidder(s)/company mentioned in their representation and feel that there is prima- facie fact for consideration, the in-charge of the bid opening team will submit the case for review to Officer competent to approve the tender as early as possible preferably on next working day and decision to this effect should be communicated to the bidder(s) company within a week positively. Bids found liable for rejection and kept preserved on the date of tender opening will be returned to the bidder(s) after issue of P.O. against the instant tender.
- 30.5 If the reviewing officer finds it fit to open the bid of the petitioner, this should be done by giving three (working) days notice to all the participating bidder(s) to give opportunity to participants desirous to be present on the occasion.

31. NEAR-RELATIONSHIP CERTIFICATE

- 31.1. The bidder should give a certificate that none of his/ her near relative, as defined below, is working in the BSNL units.

In case of bidder being proprietorship firm, this certificate will be given by the proprietor. For partnership firm, the certificate will be given by all the partners.

In case of bidder being Company/Limited Company the certificate will be given by all the Directors of the company, **but excluding following:**

- a) Government of India/Financial institution nominees and independent non-Official part time Directors, appointed by Govt. of India or the Governor of the state and
- b) Full time Directors of PSUs, both Central and State

Due to any breach of these conditions or incorrect declarations by the bidder [Company or firm or any other person], the tender /bid submitted will be cancelled and Bid Security will be forfeited at any stage, whenever it is noticed and BSNL will not pay any damage to the company or firm or the concerned person.

*Unit, shall be taken as following:

- (a) In case of any near relative of the bidder being non-executive employees, the "BSNL unit" is defined as "Business Area (BA)".
- (b) In case of any near relative of the bidder being executive (up to AGM/STS level), the "BSNL unit" is defined as "BSNL Circle".
- (c) In case of any near relative of the bidder being higher executive (DGM/JAG or higher), "BSNL unit" is defined as "BSNL as a whole".

- 31.2 The Company or firm or the person will also be debarred for further participation in the concerned unit.

31.3 The near relatives for this purpose are defined as:-

- (a) Members of a Hindu undivided family.
- (b) They are husband and wife.

(c) The one is related to the other in the manner as father, mother, son(s) & Son's wife (daughter in law), Daughter(s) and daughter's husband(son in law), brother(s) and brother's wife, sister(s) and sister's husband (brother in law)

31.4. The format of the certificate is given in Section 6 (B).

32. VERIFICATION OF DOCUMENTS AND CERTIFICATES

- i) The bidder(s) will ensure that all the documents and certificates, including experience/ performance and self certificates submitted by him are correct and genuine before enclosing them in the bid. The onus of proving genuineness of the submitted documents would rest with the bidder(s).

If any document/ paper/ certificate submitted by the participant bidder(s) is found / discovered to be false / fabricated / tempered / manipulated either during bid evaluation or during award of contract or thereafter, then the Purchaser will take action as per Clause-1 of Appendix-1 of this section.

Note for Tender Opening Committee:

At the time of tender opening, the TOC will check/ verify that the documents conforming to eligibility part are submitted by the participant bidder(s) duly authenticated by the authorized signatory to obviate any possibility of doubt and dispute and maintain veracity of the documents / papers/ certificates.

The documents/ papers to be submitted in respective bid part have been explicitly stated in clause- 7 of

Section-4 Part A.

This opened bid part which is already signed by the authorized representative of the bidder(s) company during bid submission will be signed by the tender opening committee on hard copy and preserve it along with the bids received online in case of e-tendering. These papers will be treated as authentic one, in case of any dispute.

- ii) (a) The APO/LOI is subject to verification of eligibility criteria documents(mentioned in Section-1 Part A of bid document) submitted in the tender with their originals.
- (b) The bidder(s) to whom the APO/LOI has been issued is required to show the originals to the APO issuing Authority or an officer/Committee nominated by him for this purpose within the time period stipulated for submission of PBG.
- iii) In case any eligibility criteria document(mentioned in section -1 of bid document) submitted by the bidder(s) as a part of its bid happens to be issued by BSNL, then the APO/PO issuing authority or an officer nominated by him for this purpose will verify the same from BSNL unit who has issued the said document. This will be in addition to para ii (b) above by making correspondence with the respective BSNL Unit. This exercise will also be completed within the time frame stipulated for submission of PBG.
- (iv) The work will be awarded to the contractor only on successful verification of documents as per (ii) (b) & (iii) above, apart from fulfillment of other APO/LOI conditions.

33. Security Clause as per latest guidelines and requirement

Mandatory Licensing requirements with regards to security related concerns issued by the Government of India from time-to-time shall be strictly followed.

34. Reservation/ Procurement from MSE units: The guidelines / instructions /laws issued vide D.O. no 21(1) -2011-M.A..April 25th, 2012 & amendment vide D.O. No. 21(8)/2018-MA dt. 13-11- 2018 from Ministry of Micro, Small & Medium Enterprise (MSME) with respect to provisions for Micro & Small Enterprises (MSEs) shall be followed.

35. Contractor's Obligations:-

- 35.1 All contractor/representatives will report to competent Authority through the nodal Office rap pointed by SSA Head/Competent Authority.
- 35.2 The contractor shall comply with all applicable laws, bye Laws, rules, regulations, orders, directions, notifications etc of the Govt./ Court/ Tribunals and shall also comply with all directions issued by BSNL and provide BSNL with all information and cooperation that BSNL may reasonably require from time to time.
- 35.3 The contractor has to fully cooperate with BSNL to investigate any complaint from the public/staff. If any penalty imposed by consumer forum or Court etc. for customer complaint due to his negligence will be borne by contractor.
- 35.4 The Contractor shall be liable for any theft, sabotage etc. of BSNL property and the damages/losses if any will be recovered from the contractor. The contractor shall report any such incident to the site in charge immediately.
- 35.5 The Contractor agrees to protect, defend, indemnify and hold harmless BSNL and its employees, officers, directors, agents or representatives from and against any and all liabilities, damages, fines, penalties and costs (including legal costs and disbursements) arising from or relating to Any breach of any statute, regulation, direction, orders or standards from any governmental body, agency, telecommunications operator or regulator applicable. Any breach of the terms and conditions in this agreement by Contractor This clause shall survive even on the termination or expiry of this agreement.
- 35.6 BSNL Shall not be liable for any act of commission or omission of any third party. The Contractor's representatives will have to abide by the policy rules, regulations & instructions of BSNL as revised/modified from time to time, without any prior notice to the Contractor in respect of all matters including security deposit/payment to the contractor etc.
- 35.7 The Contractor will be bound by all the aspects and legal issues relating to the labour laws.
 - a. The payment will be made subject to availability of funds after processing through ERP System.
 - b. The company reserves the right to withhold or delay the payment for the contractor in case of any pending disputes

36. BSNL will not have obligation:-

- 36.1 No liability whatsoever for payment of wages/salaries other benefits and allowances to his personnel that might become applicable under any Act or Order of the Govt. in this regard and

the Service Provider shall indemnify BSNL against any/all claims which may arise under the provisions of various Acts, Government Orders etc. and any breach of such laws or regulations shall be deemed to be breach of this contract.

36.2 Not be responsible for theft, burglary, fire or any mischievous deeds by his staff.

36.3 Service Provider shall be the employer for his workers and BSNL will not be held responsible fully or partially for any dispute that may arise between the service provider and his workers.

37. OPERATIONAL CONDITIONS:

- a) The Bidder(s) shall adjust the manpower in such a way that KPI/network availability of BTSs to be maintain 99.9% and also comply with the labour laws.
- b) Vendor will not engage manpower below the age of 18years.
- c) The contractor shall not claim any extra amount for travelling/overtime allowances and charges for materials used by him and will not be entitled to get compensation for any extra payment and charges for labour he will employ at his own cost or for idle labour and transport or loss or deterioration of materials.
- d) The BIDDER(s) shall ensure that any details of office, operational process, technical know-how, security arrangements, and administrative/organizational matters are not divulged or disclosed to any person by its personnel deployed in the BSNL.
- e) BSNL shall not be responsible for any damages, losses, claims, financial or other injury to any person deployed by service providing agency in the course of their performing the functions/duties, or for payment towards any compensation. The contractor shall be fully responsible for it.
- f) The manpower deployed by the contractor shall not have any claims of Master and Servant relationship with BSNL, nor shall have any principal and agent relationship with or against the BSNL. The man power deployed by the contractor for the contract shall not be entitled for claim, pay, perks and other facilities which may be admissible to casual, ad-hoc, regular/confirmed manpower during the currency or after expiry of the contract. In case of termination of the contract also, the persons deployed by the contractor shall not be entitled to or/ and will have any claim for absorption in the regular/ otherwise capacity in the BSNL. The Contractor should make it known the above to the manpower of the contractor.
- g) The BIDDER(s) shall be solely responsible for redress of grievances/resolution of dispute relating to the manpower deployed.
- h) The Contractor shall provide laminated Photo ID cards to all his persons, at his own expense mentioning name of company. BSNL name & logo etc will not be used on ID card.
- i) The bidder(s) shall not depute any personnel other than what he has declared for carrying out work at any stage. If at any stage it is found that the bidder(s) has violated this condition, the Tender agreement shall be cancelled and it enables forfeiture of the security deposit.
- j) The bidder(s) shall be fully responsible for the safe custody of the equipment / stores. The bidder(s) shall be responsible for any damage/theft/misplacement/other eventful happenings and he shall compensate equivalent amount for the loss.
- k) The contractor shall ensure proper supervision of the work and co-ordinate with the respective Officer-in-charge in the execution of the work.
- l) Any tools, accessories used by the contractor, found not suitable, shall be removed from the site, replacing with good quality ones. The decision in this regard by the site engineer shall be final and binding.
- m) The contractor shall make arrangements with the owners of the installation around for entering and pulling ropes. The contractor should also take proper action with the Electricity Board and Police authority for safety while the ropes cross over electric installation or roads.
- n) The contractor should also ensure the workers against injuries. Necessary First Aid Box should be made available at work site. Also indemnify BSNL of any such compensation. All such safety devices should be made available by the contractor at his cost.

**APPENDIX-1 to Section 4 Part A
(Standard Tender Enquiry Document)**

Sl. No.	Defaults of the bidder(s) / vendor.	Action to be taken
A	B	C
1(a)	Submitting fake / forged	i) Rejection of tender bid of respective Vendor.
	a) Bank Instruments with the bid to meet terms & condition of tender in respect of tender fee and/ or EMD;	ii) Banning of business for 3 years which implies barring further dealing with the vendor for procurement of Goods & Services including participation in future tenders invited by BSNL for 3 years from date of issue of banning order.
	b) Certificate for claiming exemption in respect of tender fee and/ or EMD;	iii) Termination/ Short Closure of PO/WO, if issued. This implies non-acceptance of further supplies / work & services except to make the already received material work/ complete work in hand.
	and detection of default at any stage from receipt of bids till award of APO/ issue of PO/WO.	
Note 1:- However, in this case the performance guarantee if alright will not be forfeited.		
Note 2:- Payment for already received supplies/ completed work shall be made as per terms & conditions of PO/ WO.		
1(b)	Submitting fake / forged documents towards meeting eligibility criteria such as experience capability, supply proof, registration with Goods and Services Tax, Income Tax departments etc and as supporting documents towards other terms & conditions with the bid to meet terms & condition of tender:	
	(i) <i>If detection of default is prior to award of APO</i>	i) Rejection of Bid & ii) Forfeiture of EMD. iii) Banning of business for upto three years which implies barring further dealing with the bidder for procurement of Goods & Services including participation in future tenders invited by BSNL for up to 3 years from date of issue of banning order.
	(ii) <i>If detection of default after issue of APO but before receipt of PG/ SD (DD,BG etc.)</i>	i) Cancellation of APO , ii) Rejection of Bid & iii) Forfeiture of EMD. iv) Banning of business for upto three years which implies barring further dealing with the bidder for procurement of Goods & Services including participation in future tenders invited by BSNL for up to 3 years from date of issue of banning order.
1(b) contd.	(iii) <i>If detection of default after receipt of PG/ SD (DD,BG etc.) .</i>	i) Cancellation of APO ii) Rejection of Bid & iii) Forfeiture of PG/ SD. iv) Banning of business for upto three years which implies barring further dealing with the bidder for procurement of Goods & Services including participation in future tenders invited by BSNL for up to 3 years from date of issue of banning order. However on realization of PG/ SD amount, EMD, if not already released shall be returned.
	(iv) <i>If detection of default after issue of PO/ WO</i>	i) Termination/ Short Closure of PO/WO and Cancellation of APO ii) Rejection of Bid & iii) Forfeiture of PG/ SD. iv) Banning of business for upto three years which implies barring further dealing with the bidder for procurement of Goods & Services including participation in future tenders invited by BSNL for up

		to 3 years from date of issue of banning order. However on realization of PG/ SD amount, EMD, if not released shall be returned.
	Note 3:- However, settle bills for the material received in correct quantity and quality if pending items do not affect working or use of supplied items.	
	Note 4:- No further supplies are to be accepted except that required to make the already supplied items work.	
2	If vendor or his representative uses violent/ coercive means viz. Physical / Verbal means to threatens BSNL Executive / employees and/ or obstruct him from functioning in discharge of his duties & responsibilities for the following : a) Obstructing functioning of tender opening executives of BSNL in receipt/ opening of tender bids from prospective Bidder(s), suppliers/ Contractors. b) Obstructing/ Threatening other prospective bidder(s) i.e. suppliers/ Contractors from entering the tender venue and/ or submitting their tender bid freely.	Banning of business for 3 years which implies Barring further dealing with the vendor for procurement of Goods & Services including participation in future tenders invited by BSNL for 3 years from date of issue of banning order.
3	Non-receipt of acceptance of APO/ AWO and SD/ PG by L-1 bidder(s) within time period specified in APO/ AWO.	Forfeiture of EMD.
4.1	Failure to supply and/ or Commission the equipment and /or execution of the work at all even in extended delivery schedules, if granted against PO/ WO.	i) Termination of PO/ WO. ii) Under take purchase/ work at the risk & cost of defaulting vendor. iii) Recover the excess charges if incurred from the PG/ SD and outstanding bills of the defaulting Vendor.
4.2	Failure to supply and/ or Commission the equipment and /or execution of the Work in full even in extended delivery schedules, if granted against PO/ WO.	i) Short Closure of PO/ WO to the quantity already received by and/ or commissioned in BSNL and/ or in pipeline provided the same is usable and/or the Vendor promises to make it usable. ii) Under take purchase/ work for balance quantity at the risk & cost of defaulting vendor. iii) Recover the excess charges if incurred from the PG/ SD and outstanding bills of the defaulting Vendor.
5.1	The supplied equipment does not perform satisfactory in the field in accordance with the specifications mentioned in the PO/ WO/Contract.	i) If the material is not at all acceptable, then return the non-acceptable material (or its part) & recover its cost, if paid, from the o/s bills/ PG/ SD. OR ii) If the material is inducted in network & it is not possible to return it and/ or material is acceptable with degraded performance, the purchaser may determine the price for degraded equipment (Financial penalty = Price – price determined for degraded equipment) himself and/ or through a committee. Undertake recovery of financial penalty from outstanding dues of vendor including PG/ SD.

5.2	Major quality problems (as established by a joint team / committee of User unit(s) and QA Circle) / performance problems and non-rectification of defects (based on reports of field units and QA circle).	i) If the material is not at all acceptable, then return the non-acceptable material (or its part) & recover its cost, if paid, from the o/s bills/ PG/ SD; OR ii) If the material is inducted in network & it is not possible to return it and/ or material is acceptable with degraded performance, the purchaser may determine the price for degraded equipment (Financial penalty = Price – price determined for degraded equipment) himself and/ or through a committee. Undertake recovery of financial penalty from outstanding dues of vendor including PG/ SD; and iii) Withdrawal of TSEC/ IA issued by QA Circle.
6	Submission of claims to BSNL against a contract (a) for amount already paid by BSNL . (b) for Quantity in excess of that supplied by Vendor to BSNL. (c) for unit rate and/ or amount higher than that approved by BSNL for that purchase.	i) Recovery of over payment from the outstanding dues of Vendor including EMD/ PG & SD etc. and by invoking 'Set off' clause 21 of Section 5 Part A or by any other legal tenable manner. ii) Banning of Business for 3 years from date of issue of banning order or till the date of recovery of over payment in full, whichever is later.
	Note 5:- The claims may be submitted with or without collusion of BSNL Executive/ employees.	
	Note 6:- This penalty will be imposed irrespective of the fact that payment is disbursed by BSNL or not.	
7	Network Security/ Safety/ Privacy:- If the vendor tampers with the hardware, software/ firmware or in any other way that a) Adversely affects the normal working of BSNL equipment(s) and/ or any other TSP through BSNL. b) Disrupts/ Sabotages functioning of the BSNL network equipments such as exchanges, BTS, BSC/ MSC, Control equipment including IN etc., transmission equipments but not limited to these elements and/ or any other TSP through BSNL. c) tampers with the billing related data/ invoicing/ account of the Customer/ User(s) of BSNL and/ or any other TSP(s). d) hacks the account of BSNL Customer for unauthorized use i.e. to threaten others/ spread improper news etc. e) undertakes any action that affects/ endangers the security of India.	i) Termination of PO/ WO. ii) Banning of business for 3 years which implies barring further dealing with the vendor for procurement of Goods & Services including participation in future tenders invited by BSNL for 3 years from date of issue of banning order. iii) Recovery of any loss incurred on this account from the Vendor from its PG/ SD/ O/s bills etc. iv) Legal action will be initiated by BSNL against the Vendor if required.

8	If the vendor is declared bankrupt or insolvent or its financial position has become unsound and in case of a limited company, if it is wound up or it is liquidated.	<p>i) Termination/ Short Closure of the PO/ WO.</p> <p>ii) Settle bills for the quantity received in correct quantity and quality if pending items do not affect working or use of supplied items.</p> <p>iii) No further supplies are to be accepted except that required to make the already supplied items work.</p> <p>iv) In case of turnkey projects, If the material is commissioned and is usable without any degradation of performance, then settle bills for the acceptable equipment/ material (or its part).</p> <p>v) In case of turnkey projects, if the material is inducted in network & it is not possible to return it and/ or material is acceptable with degraded performance, the purchaser may determine the price for degraded equipment (Financial penalty = Price – price determined for degraded equipment) himself and/ or through a committee. Undertake recovery of financial penalty from outstanding dues of vendor including PG/ SD.</p>
9	In the event of the vendor, its proprietor, Director(s), partner(s) is / are convicted by a Court of Law following prosecution for offences involving moral turpitude in relation to the business dealings.	<p>i) Termination/ Short Closure of the PO/ WO.</p> <p>ii) Settle bills for the material received in correct quantity and quality if pending items do not affect working or use of supplied items.</p> <p>iii) No further supplies are to be accepted except that required to make the already supplied items work.</p> <p>iv) In case of turnkey projects, If the material is commissioned and is usable without any degradation of performance, then settle bills for the acceptable equipment/ material (or its part).</p> <p>v) In case of turnkey projects, If the material is inducted in network & it is not possible to return it and/ or material is acceptable with degraded performance, the purchaser may determine the price for degraded equipment (Financial penalty = Price – price determined for degraded equipment) himself and/ or through a committee. Undertake recovery of financial penalty from outstanding dues of vendor including PG/ SD.</p>
10	<p>If the vendor does not return/ refuses to return BSNL's dues:</p> <p>a) in spite of order of Arbitrator.</p> <p>b) in spite of Court Orders.</p>	<p>i) Take action to appoint Arbitrator to adjudicate the dispute.</p> <p>ii) Termination of contract, if any.</p> <p>iii) Banning of business for 3 years which implies barring further dealing with the vendor for procurement of Goods & Services including participation in future tenders invited by BSNL from date of issue of banning order or till the date by which vendor clears the BSNL's dues, whichever is later.</p> <p>iii) Take legal recourse i.e. filing recovery suite in appropriate court.</p> <p>i) Termination of contract, if any.</p> <p>ii) Banning of business for 3 years which implies barring further dealing with the vendor for procurement of Goods & Services including participation in future tenders invited by BSNL from date of issue of banning order or till the date by which vendor clears the BSNL's dues, whichever is later.</p>

11	If the Central Bureau of Investigation/ Independent External Monitor (IEM) / Income Tax/Goods and Services Tax / Custom Departments recommends such a course	Take Action as per the directions of CBI or concerned department.
12	<p>The following cases may also be considered for Banning of business:</p> <p>(a) If there is strong justification for believing that the proprietor, manager, MD, Director, partner, employee or representative of the vendor/ supplier has been guilty of malpractices such as bribery, corruption, fraud, substitution of tenders, interpolation, misrepresentation with respect to the contract in question.</p> <p>(b) If the vendor/ supplier fails to execute a contract or fails to execute it satisfactorily beyond the provisions of Para 4.1 & 4.2.</p> <p>(c) If the vendor/ supplier fails to submit required documents/ information, where required.</p> <p>(d) Any other ground which in the opinion of BSNL is just and proper to order for banning of business dealing with a vendor/ supplier.</p>	i) Banning of business for 3 years which implies Barring further dealing with the vendor for procurement of Goods & Services including participation in future tenders invited by BSNL for 3 years from date of issue of banning order.
Note 7: The above penalties will be imposed provided it does not clash with the provision of the respective tender.		
Note 8: -In case of clash between these guidelines & provision of invited tender, the provision in the respective tender shall prevail over these guidelines.		
Note 9:- Banning of Business dealing order shall not have any effect on the existing / on going works / AMC / CAMC which will continue along with settlement of bills.		

SECTION-4 Part B

SPECIAL INSTRUCTIONS TO BIDDERS

The Special Instructions to Bidder(s) shall supplement the 'Instructions to Bidders' and in case of any conflict with those in Section-4 Part A i.e. GENERAL INSTRUCTIONS TO BIDDER(s) (GIB), the provisions herein shall prevail.

1 PRELIMINARY EVALUATION

Purchaser shall evaluate the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the bids are generally in order.

If there is a discrepancy between words and figures, the amount in words shall prevail. If the supplier does not accept the correction of the errors, its bid shall be rejected.

Prior to the detailed evaluation pursuant to clause 2, the Purchaser will determine the substantial responsiveness of each bid to the Bid Document. For purposes of these clauses, a substantially responsive bid is one which confirms to all the terms and conditions of the Bid Documents without material deviations. The purchaser's determination of bid's responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.

A bid, determined as substantially non-responsive will be rejected by the purchaser and shall not include subsequently to the bid opening be made responsive by the bidder by correction of the non-conformity.

The Purchaser may waive any minor infirmity or non-conformity or irregularity in a bid which doesn't constitute a material deviation, provided such waiver doesn't prejudice or affect the relative ranking of any bidder. If required, in such cases, the bidder may be asked to submit necessary clarification & supporting authenticated documents during evaluation.

2 EVALUATION AND COMPARISON OF SUBSTANTIALLY RESPONSIVE BIDS

The Purchaser shall evaluate in detail and compare the bids previously determined to be substantially responsive pursuant to clause 1.

The financial proposals of only those Bidders, whose techno-commercial proposals have been determined as substantively responsive, shall be opened.

Financial evaluation shall be done for all the works together, as a package.

The financial bid shall be evaluated as lowest package cost quoted by the Bidder. After evaluation, BSNL shall prepare a list of bidders, arranged in increasing order of the quoted package rate starting from the lowest (i.e. L1, L2, L3 and so on) separately for the purpose of awarding work.

If the quoted rate of Two or more Participating Bidders are same, then the work will be awarded in equal quantity to all the bidders, for which decision of BSNL will be final and binding on all the bidders

3 FINANCIAL PROPOSAL

The Firm shall submit the financial bid as per format in Section 9-Part B.

The Financial offer should be strictly in the format as at Section 9 (B) and any variation may render the offer invalid.

The prices quoted should be limited to 2 decimal points only. Any figure after 2 decimal points shall be ignored for all purpose. In case of variation between rate mentioned in figures & words, the amount in words shall prevail.

- 4 For the distribution of quantity along with BTS site names, decision of concern SSA Head will be final.
- 5 **RANKING** : Ranking & Evaluation of the offers will be made on Package value basis.
- 6 Paying authority shall be AO(A&B),O/o CGMT CG CIRCLE BSNL RAIPUR and details shall be indicated in PO / WO.
- 7 The Award letter on successful submission of PBG to AGM(MM), O/o CGMT CG CIRCLE BSNL RAIPUR, shall be issued by AGM(MM), O/o CGMT CG CIRCLE BSNL RAIPUR.
- 8 The Agreement of Contract (AOC) to be executed between Contractor & BSNL shall be conveyed along with LOI based on terms and conditions of the Tender.
- 9 In case of any change in constitution of firm / company or transfer of ownership, during the contract period, written approval of tendering authority shall be obtained by submitting the necessary documents, with undertaking that the changed entity shall continue to perform the contractual obligations of the supplier under this contract.
- 10 In case of unreasonableness of the quoted rates, due to exceptional circumstances as stipulated in para (i) of CVC Circular No. 4/3/07 dated 3/3/2007, the tendering authority may negotiate with L1 bidder(s). As a result of negotiation, if the PNC (Price Negotiation Committee) recommends either-
 - (a) Rates after negotiation are reasonable & the recommendations of PNC are accepted by the Tender Accepting Authority;

OR

- (b) The rates after negotiation are unreasonable & the recommendation of PNC is accepted by the Tender Accepting Authority.

Based on either of the above recommendations of the PNC and its acceptance by the Tender Accepting Authority, the quantity to be ordered may be determined as full quantity for (a) or bare minimum quantity for (b) above. In case of latter, it is up to the Tender Accepting Authority to decide whether a bare minimum quantity is to be procured or not procured at all, depending on the exigency of the case. The quantity whether full or bare minimum as decided by the tender accepting / approving authority shall be distributed among L1, L2, L3, etc. bidders, as per tender conditions / provisions.

Section- 4 Part C

General E-tendering Instructions to Bidders

The Special Instructions (for e-Tendering) supplement 'Instruction to Bidders', as given in this Tender Document. Submission of Online Bids is mandatory for this Tender. E-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Suppliers/ Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, BSNL Chhattisgarh Circle has decided to use the Portal (<https://www.etenders.gov.in>) through Central Public Procurement Portal, Government of India. Benefits to Suppliers are outlined on the Home-page of the portal.

Instructions

1. Tender Bidding Methodology

Sealed Bid System – 'Single Stage - TWO Envelope'.

2. Broad outline of activities from Bidders prospective

- i) Procure a Digital Signing Certificate (DSC)
- ii) Register on Central Public Procurement Portal (CPPP)
- iii) Create Users and assign roles on CPPP
- iv) View Notice Inviting Tender (NIT) on CPPP
- v) Download Official Copy of Tender Documents from CPPP
- vi) Bid-Submission on CPPP: Prepare & arrange all document/paper for submission of bid online and offline.
- vii) **Submission of offline documents in sealed envelope to AGM (MM), O/o The CGM RAIPUR , Khamardih, Raipur (CG) 492007 (Chhattisgarh)**
- viii) Please take care to scan documents that total size of documents, to be uploaded remains minimum. If required, documents may be scanned at lower resolutions say at 150 dpi. However it shall be sole responsibility of bidder(s) that the uploaded documents remain legible.
- ix) Utmost care may be taken to name the file/documents to be uploaded on CPPP. There should be no special character or space in the name of file. Only underscores are allowed. The illustrative examples are given below:

File name	Allowed or not allowed in CPPP	Reason for allowed /Not allowed
QA Certificate	not allowed	Space in between words / characters not allowed
QA Certificate(1)	not allowed	Special characters not allowed
QA_Certificate	Allowed	Under score allowed between words /characters
QACertificate	Allowed	Upper & lower cases allowed

- x) It is advised that all the documents to be submitted (See clause 4 of Section 4 Part C) are kept scanned or converted to PDF format in a separate folder on your computer before starting online submission. Price schedule as per Section-9 Part-B (PDF Format) and Part B (BOQ Format) may be downloaded and rates may be filled appropriately. This file may also be saved in a secret folder on your computer. The names & total size of documents (Preferably below 50 MB) may be checked

For participating in this tender online, the following instructions are to be read carefully. These instructions are supplemented with more detailed guidelines on the relevant screens of the CPPP.

3. Digital Certificates

For integrity of data and its authenticity/ non-repudiation of electronic records, and be compliant with IT Act 2000, it is necessary for each user to have a Digital Certificate (DC) also referred to as Digital Signature Certificate (DSC), of Class 2 or above, issued by a

Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA) [refer <http://www.cca.gov.in>].

4. Method for submission of bid documents

In this tender the bidder(s) has to participate in e-tender online. Some documents are to be submitted physically offline. For details please see clause 4.1 Section 4 Part C.

4.1. Offline submission

The bidder(s) shall submit the following documents offline to **AGM (MM), O/o The CGMT BSNL RAIPUR , Khamardih, Raipur (CG) 492004 (Chhattisgarh)** on or before the date & time of submission of bids specified in NIT, in a Sealed Envelope. The envelope shall bear (tender name), the tender number and the words 'DO NOT OPEN BEFORE' (due date & time).

- i) EMD – Bid security (original copy)
- ii) DD/ Banker's cheque of Tender fee (original copy)
- iii) Power of Attorney in accordance with clause 14.3 of Section 4 Part A and authorization for executing the power of Attorney.
- iv) MSE registration certificate if the bidder(s) is claiming concession for Tender fee & Bid Security.
- v) Affidavit as per Section - XII.

Note: The Bidder(s) has to upload the Scanned copy of all above said documents during Online Bid submission also.

4.3 Online submission:

AS MENTIONED IN CLAUSE 4.3 OF SECTION-1 OF DNIT.

5. Registration

To use the Central Public Procurement Portal (<https://www.etenders.gov.in>) Vendor need to register on the portal. The vendor should visit the home-page of the CPPP portal (<https://www.etenders.gov.in>) and go to the e-procure link then select Bidder(s)s Manual Kit.

Note: Please contact NIC Helpdesk (as given below), to get your registration accepted/activated

NIC Helpdesk	
Telephone	0120-4001002,0120-4001005, 0120-4200462
E-mail ID	cPPP-nic@nic.in [Please mark CC: support-nic@ncode.in]
BSNL Contact-1	
BSNL's Contact Person	AGM (MM), O/o The CGM RAIPUR , Khamardih, Raipur (CG) 492007 (Chhattisgarh)
Telephone	0771-2281440,9425201655
E-mail ID	agmmmcoryp@gmail.com
BSNL Contact-2	

BSNL's Contact Person	SDE(MM) O/o CGMT RAIPUR
Telephone/FAX	0771-2281440

6. Price schedule / BOQ

Utmost care may kindly be taken to upload price schedule / BOQ. Any change in the format of price Schedule / BOQ file shall render it unfit for bidding. Following steps may be followed

- i) Download price schedule / BOQ part
- ii) Fill rates in downloaded price schedule / BOQ
- iii) Save filled copy of downloaded price schedule / BOQ file in your computer and remember its Name & location for uploading correct file (duly filled in) when required.
- iv) Download price schedule / BOQ Section-9 Part B **in Excel format.** Fill up required information and save in your computer for uploading it while submitting the bid.

7. Other Instructions

For further instructions, the vendor should visit the home-page of the portal (<https://www.etenders.gov.in>), and go to the Bidder(s) Manual Kit. The compatible support software (PDF Converter, Java, etc) for online bid submission may be downloaded from CPPP Portal. The help information provided through 'CPPP User-Guidance Center' is available in three categories –Users intending to Register / First-Time Users, Logged-in users of Buyer organizations, and Logged-in users of Supplier organizations. Various links are provided under each of the three categories.

Important Note: It is strongly recommended that all authorized users of Supplier organizations should thoroughly peruse the information provided under the relevant links, and take appropriate action. This will prevent hiccups, and minimize teething problems during the use of CPPP. The following '**FOUR KEY INSTRUCTIONS for BIDDERS**' must be assiduously adhered to:

- i) Obtain individual Digital Signing Certificate (DSC or DC) well in advance of your first tender submission deadline on CPPP.
- ii) Register your organization on CPPP well in advance of your first tender submission deadline on CPPP.
- iii) Get your organization's concerned executives trained on CPPP using online training module well in advance of your tender submission deadline on CPPP.
- iv) Submit your bids well in advance of tender submission deadline on CPPP (BSNL should not be responsible any problem arising out of internet connectivity issues).

8. Minimum Requirements at Bidder(s) end:

- Computer System with good configuration (Min P IV, 1 GB RAM, Windows XP)
- 2 Mbps Broadband connectivity with UPS.
- Microsoft Internet Explorer 6.0 or above
- Digital Certificate(s) for users.

Note: Please visit CPPP (<https://www.etenders.gov.in>) for more details and latest amendment on above.

SECTION-5 Part A
GENERAL (COMMERCIAL) CONDITIONS OF CONTRACT

1. APPLICATION

The general condition shall apply in contracts made by the purchaser for the procurement of goods.

2. STANDARDS

The goods supplied under this contract shall conform to the standards prescribed in the Technical Specifications mentioned in Section -3.

3. PATENT RIGHTS

The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the goods or any part thereof in Indian Telecom Network.

4. PERFORMANCE SECURITY

4.1 All suppliers (including MSEs who are registered with the designated MSME bodies, like National Small Scale Industries Corporation etc. shall furnish performance security (**valid for three years**) to the purchaser for an amount equal to 10 % of the value of Advance purchase order within 14 days from the date of issue of Letter of Intent by the Purchaser.

4.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract.

4.3 The performance security Bond shall be in the form of Bank Guarantee issued by a scheduled Bank and in the proforma provided in 'Section-7(B) of this Bid Document.

4.4 The performance security Bond will be discharged by the Purchaser after completion of the supplier's performance obligations including any warranty obligations (if any) under the contract.

4.5 In case of forfeiture of Performance Security, GST or applicable taxes will be borne by the bidder

5. INSPECTION AND TESTS

5.1 The Purchaser or its representative shall have the right to inspect and test the goods as per prescribed test schedules for their conformity to the specifications. Where the Purchaser decides to conduct such tests on the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance like Testing instruments and other test gadgets including access to drawings and production data shall be furnished to the inspectors at no charge to the purchaser.

5.2 BSNL shall have the right to cause an examination of the work and the final bills of the contractor including all supporting vouchers, abstract etc. to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed by him to have been done by him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of over payment and it shall be lawful for BSNL to recover the same from him through the PBG or future bills.

6. PAYMENT TERMS

In addition to Payment terms of specified percentage of the price as stated in clause 5 of Section -2 (Tender Information) shall be made on receipt of services by consignee. For claiming this payment, the following documents are to be submitted to the paying authority:

- (a) Invoice clearly indicating break up details of composite price i.e. Basic, Goods and Services Tax (GST), any other Duties and Taxes, Freight/Packing Charges, etc. as per GSTIN No.
- (b) Invoice should be raised GST region wise.
- (c) Proof of payment of GST, if applicable.
- (d) Timely uploading of correct and necessary information on GSTN portal is mandatory as prescribed in GST compliant.
- (e) GST payment details of previous month if applicable.

NOTE :

- 1) If the supplier fails to furnish necessary supporting documents i.e. GST invoice / Customs invoices etc. and also fails to upload the information on GSTN in respect of the Duties/taxes for which input tax credit is available, the amount pertaining to such Duties/Taxes will be deducted from the payment due to the supplier.
- 2) Tax amount will be paid to the supplier only after supplier declares the details of the invoices in its return in GSTR 1 and GSTR-3 uploaded by the supplier and the same is reflected in GSTR-2A of BSNL on GSTN portal.
- 3) TDS/ TCS shall be deducted at the prescribed rate, if any (as the case may be).
- 4) BSNL can adjust/ forfeit Bank Guarantee obtained from the supplier against any loss of input tax credit to BSNL on account of supplier's default.
- 5) In case BSNL has to pay GST on reverse charge basis, the supplier would not charge GST on its invoices. Further, the supplier undertakes to comply with the provisions of GST law as may be applicable.

- 6.1 The bidder(s) has to give the mandate for receiving payment electronically and the charges, if any, levied by bank has to be borne by the bidder(s)/ contractor/supplier. The bidder(s) company is required to give the following information for this purpose:-
- (a) Beneficiary Bank Name:
 - (b) Beneficiary branch Name:
 - (c) IFSC code of beneficiary Branch:
 - (d) Beneficiary account No.:
 - (e) Branch Serial No. (MICR No.):

7. PRICES

- 7.1 **Prices charged by the supplier for services performed under the contract shall not be higher than the prices quoted by the Supplier in its Bid except for variation caused by change in Goods & services Tax. Moreover, quoted rates by the supplier are inclusive of all levies & taxes excluding goods & services tax.**

8. CHANGES IN PURCHASE ORDERS

- 8.1 The purchaser may, at any time, by a written order given to a supplier, make changes within the general scope of the contract in any one or more of the following:
- (a) Drawings, designs or specifications, where Goods to be supplied under the contract are to be specifically manufactured for the Purchaser;
 - (b) The method of transportation or packing;
 - (c) The place of delivery; or
 - (d) The services to be provided by the supplier.

9. FORCE MAJEURE

- 9.1 If, at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to as events) provided notice of happenings of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such an event come to an end or cease to exist, and the decision of the Purchaser as to whether the deliveries have been so resumed or not shall be final and conclusive. Further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reasons of any such event for a period exceeding 60 days, either party may, at its option, terminate the contract.
- 9.2 Provided, also that if the contract is terminated under this clause, the Purchaser shall be at liberty to take over from the Supplier at a price to be fixed by the purchaser, which shall be final, all unused, undamaged and acceptable materials, bought out components and stores in course of manufacture which may be in possession of the Supplier at the time of such termination or such portion thereof as the purchaser may deem fit, except such materials, bought out components and stores as the Supplier may with the concurrence of the purchaser elect to retain.

10. ACTION BY PURCHASER AGAINST BIDDER(S)/ VENDOR(S) IN CASE OF DEFAULT.

- 10.1 In case of default by Bidder(s)/ Vendor(s) such as
- (a) Failure to deliver and/ or commission any or all of the goods/services within the time period(s) specified in the contract, or any extension thereof granted by the purchaser.
 - (b) Failure to perform any other obligation(s) under the Contract; and
 - (c) Work done do not perform satisfactory in the field in accordance with the specifications;
 - (d) Or any other default whose complete list is enclosed in Appendix-1 of Section-4, Part-A;
- Purchaser will take action as specified in Appendix-1 of Section-4, Part-A.

11. Tax Indemnity clause:

BSNL has the right to recover Input Tax Credit loss suffered by it due to any mis-declaration on invoice by the supplier

12. ARBITRATION

I. ARBITRATION (Applicable in case of supply orders/Contracts with firms, other than Public Sector Enterprise) (Not applicable in cases valuing less than Rs. 5 lakhs)

Except as otherwise provided elsewhere in the contract, if any dispute, difference, question or disagreement arises between the parties hereto or their respective representatives or assignees, in connection with construction, meaning, operation, effect, interpretation of the contract or breach thereof which parties unable to settle mutually, the same shall be referred to Arbitration as provided hereunder:

- 1 A party wishing to commence arbitration proceeding shall invoke Arbitration Clause by giving 60 days' notice to the designated officer of the other party. The notice invoking arbitration shall specify all the points of disputes with details of the amount claimed to be referred to arbitration at the time of invocation of arbitration and not thereafter. If the claim is in foreign currency, the claimant shall indicate its value in Indian Rupee for the purpose of constitution of the arbitral tribunal.
- (2) The number of the arbitrators and the appointing authority will be as under:

Claim amount (excluding claim for counter claim, if any)	Number of arbitrator	Appointing Authority
Above Rs. 5 lakhs to Rs. 5 crores	Sole Arbitrator to be appointed from a panel of arbitrators of BSNL.	BSNL (Note: BSNL will forward a list containing names of three empanelled arbitrators to the other party for selecting one from the list who will be appointed as sole arbitrator by BSNL)
Above Rs. 5 crores	3 Arbitrators	One arbitrator by each party and 3 rd Arbitrator who shall be the presiding arbitrator, by the two arbitrators. . BSNL will appoint its arbitrator from its panel.

- (3) Neither party shall appoint its serving employee as arbitrator.
- (4) If any of the Arbitrators so appointed dies, resigns, becomes incapacitated or withdraws for any reason from the proceedings, it shall be lawful for the concerned party/arbitrators to appoint another person in his place in the same manner as aforesaid. Such person shall proceed with the reference from the stage where his predecessor had left it both parties consent for the same; otherwise, he shall proceed de novo.
- (5) Parties agree that neither party shall be entitled for any pre-reference or pendente-lite interest on its claims. Parties agree that any claim for such interest made by any party shall be void.
- (6) Unless otherwise decided by the parties, Fast Track procedure as prescribed in Section 29 B of the Arbitration Conciliation Act, 1996 for resolution of all disputes shall be followed, where the claim amount is upto Rs. 5 crores.

[29B. Fast track procedure – (1) Notwithstanding anything contained in this Act, the parties to an arbitration agreement, may, at any stage either before or at the time of appointment of the arbitral tribunal, agree in writing to have their dispute resolved by fast track procedure specified in sub-section (3).

- (2) The parties to the arbitration agreement, while agreeing for resolution of dispute by fast track procedure, may agree that the arbitral tribunal shall consist of a sole arbitrator who shall be chosen by the parties.
- (3) The arbitral tribunal shall follow the following procedure while conducting arbitration proceedings under sub-section (1):-
 - (a) The arbitral tribunal shall decide the dispute on the basis of written pleadings, documents and

submissions filed by the parties without oral hearing;

- (b) The arbitral tribunal shall have power to call for any further information or clarification from the parties in addition to the pleadings and documents filed by them;
- (c) An oral hearing may be held only, if, all the parties make a request or if the arbitral tribunal considers it necessary to have oral hearing for clarifying certain issues;
- (d) The arbitral tribunal may dispense with any technical formalities, if an oral hearing is held, and adopt such procedure as deemed appropriate for expeditious disposal of the case.
- (4) The award under this section shall be made within a period of six months from the date the arbitral tribunal enters upon the reference.
- (5) If the award is not made within the period specified in sub-section (4), the provisions of sub-sections 3 to 9 of Section 29 A shall apply to the proceedings.
- (6) The fees payable to the arbitrator and the manner of payment of the fees shall be such as may be agreed between the arbitrator and the parties.]

7. The arbitral tribunal shall make and publish the award within time stipulated as under:

Amount of Claims and Counter Claims	Period for making and publishing of the award (counted from the date the arbitral tribunal enters upon the reference)
Upto Rs. 5 crores	Within 6 months (Fast Track procedure)
Above Rs. 5 crores	Within 12 months

However, the above time limit can be extended by the Arbitrator for reasons to be recorded in writing with the consent of parties and in terms of provisions of the Act.

8. In case of arbitral tribunal of 3 arbitrators, each party shall be responsible to make arrangements for the travel and stay, etc. of the arbitrator appointed by it. Claimant shall also be responsible for making arrangements for travel/stay arrangements for the Presiding Arbitrator and the expenses incurred shall be shared equally by the parties.

In case of sole arbitrator, BSNL shall make all necessary arrangements for his travel/stay and the expenses incurred shall be shared equally by the parties.

9. The Arbitration proceeding shall be held at Chhattisgarh.

10. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof shall apply to the arbitration proceedings under this clause.

II. Following Arbitration Clause may be incorporated in Contracts POs, APOs, Tenders, EOIs, etc. between BSNL and Central/State Government (s) as the case may be in terms of DPE guidelines for settlement of commercial disputes between Public Sector Enterprises inter-se and Public Sector Enterprise(s) and Government Department(s) through Permanent Machinery of Arbitrators (PMA) in the Department of Public Enterprises. As such the same may be incorporated in cases of contracts of BSNL with State/Central Govt. as specified therein.

In the event of any dispute or difference relating to the interpretation and application of the provisions of the contracts, such dispute or difference shall be referred by either party for Arbitration to the sole Arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law & Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary/Additional Secretary, when so authorized by the Law Secretary, whose decision shall bind the Parties finally and conclusively. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator.

Further, with regard to already signed/existing contracts, existing Arbitration clause for sole arbitrator can be invoked in case the parties waive, subsequent to disputes having arisen between them, the applicability of sub-section (5) of section 12 by an express agreement in writing.

III. APPLICABLE LAW AND JURSDICTION

(a) The supply order for Goods 'or' Services, including all matters connected with this supply order shall be governed by the Indian law both substantive and procedural, for the time being in force and shall be subject to the exclusive jurisdiction of Indian Courts at the place from where the Purchase Order

has been placed. This clause is applicable to all contracts as per procurement policy.

(b) Foreign companies, operating in India or entering into Joint Ventures in India, shall have to obey the law of land and there shall be no compromise or excuse for the ignorance of the Indian legal system in any way. This clause is applicable in the case global tenders where foreign entities either itself or through JV in India are eligible as bidder(s).

13. SET OFF

Any sum of money due and payable to the supplier (including security deposit refundable to him) under this contract may be appropriated by the purchaser or the BSNL or any other person(s) contracting through the BSNL and set off the same against any claim of the Purchaser or BSNL or such other person or person(s) for payment of a sum of money arising out of this contract or under any other contract made by the supplier with the Purchaser or BSNL or such other person(s) contracting through the BSNL. In case of set off of the security deposit against any claim of the purchaser or BSNL or such other person or person(s) for payment of a sum of money arising out of this contract or under any other contract made by the supplier with the Purchaser or BSNL or such other person(s) contracting through the BSNL, the GST on such set off will be borne by the supplier. GST would not be liable on security deposit. But if supplier set off the security deposit against any claim of the purchaser or BSNL or such other person or person(s) for payment of a sum of money arising out of this contract or under any other contract made by the supplier with the Purchaser or BSNL or such other person(s) contracting through the BSNL, then GST would be levied.

14. COURT JURISDICTION

- 14.1 Any dispute arising out of the tender/ bid document/ evaluation of bids/ issue of APO shall be subject to the jurisdiction of the competent court at the place from where the NIT/ tender has been issued.
- 14.2 Where a contractor has not agreed to arbitration, the dispute/ claims arising out of the Contract/ PO entered with him shall be subject to the jurisdiction of the competent Court at the place from where Contract/ PO has been issued. Accordingly, a stipulation shall be made in the contract as under.
“This Contract/ PO is subject to jurisdiction of Court at place from where the NIT/ tender has been issued only”.

15. GST Invoice and Compliances

- 15.1 All the details of supplier (name, address, GSTIN/ unregistered supplier, place of supply, SAC/ HSN code etc.) and other mandatory details shall be mentioned on the invoice.
- 15.2 Invoice/Supplementary invoice/Debit Note/Credit Note/Receipt Voucher needs to be issued in compliant format and timely within the time prescribed under GST law.
- 15.3 The contractor will comply with the GST related instructions issued by Govt. of India and BSNL Corporate Office, New Delhi from time to time. At the time of making payment, if the invoice of the vendor is available in GSTR 2A, then the payment is to be released in full i.e. including GST. If the invoice of the vendor is not available in GSTR 2A, then the payment is to be released but the GST component is to be withheld. The GST component withheld as above will be released only after if invoice is auto populated in GSTR 2A within 180 days from the date of invoice.
- 15.4 It would be the responsibility of the supplier to declare correct information on invoice and GSTN viz. the amount, the place of supply, rate of tax etc. In case, the eligibility of input tax credit is questioned or denied to BSNL on account of default by the supplier, the same would be recovered by BSNL from the supplier.
- 15.5 Registered location of the both the parties ie. BSNL and supplier should be mentioned in the agreement with GSTIN No. Further, supplier should raise invoices at the registered premise of BSNL for availing of credit and ensure that the place of supply as per GST law is same as registered premise.
- 15.6 Supplier shall be responsible for timely issuance and delivery of invoices/DN/CN to enable BSNL to claim tax benefit on or before the stipulated time period provided by the GST Law.
- 15.7 TDS under GST if applicable shall be deducted from contractor(s)/Vendor(s) bill at applicable rate and a certificate as per rules for tax so deducted shall be provided to the contractor/vendor.

Section-5 Part-B

SPECIAL (COMMERCIAL) CONDITIONS of CONTRACT (SCC)

The Special (Commercial) Conditions of Contract (SCC) shall supplement General (Commercial) Conditions of Contract (GCC) as contained in Section 5 Part A and wherever there is a conflict, the provisions herein shall prevail over those in Section 5 Part A i.e. General (Commercial) Conditions of Contract (GCC).

A. BTS & Infrastructure Maintenance for BSNL sites with collocated Telephone (Excluding IP sites) (2G and/or 3G and/or 4G)

- i. These are the sites housing Mobile site collocated with Telephone Exchange (2G and/or 3G and/or 4G or a combination of them AND Telephone Exchange).
- ii. Maintenance of Exchanges ¹
- iii. Cleaning, security (to the extent of alerting any abnormal observation at the site during visits, intimating police authorities promptly w.r.t. any incident, ensuring functioning of lock & key and upkeeping of the site including all equipment, tower surroundings, shelter/OD cabinet, Media equipment, DG etc. This includes bush cutting in the BTS sites/ Exchanges in open areas. All tools & Cleaning material to be provided by the bidder.
- iv. Exchange/ BTS site cleaning including BTS & Exchange equipment`s, Roof Area, Compound Area. Cleaning to be carried out by blower etc. (Equipments for cleaning to be provided by the Vendor)
- v. All leftover BTS related alarms, if any need to be made functional and to be extended upto OMCR within one month of operation. Equipment required for Alarm Extension to be provided by BSNL.
- vi. Prompt action on receipt of instructions (by call or by SMS) from concerned officer regarding manual assistance in rectification of alarms/ faults in BTS site/ Exchange, DSLAM, other equipment.
- vii. The Bidder should ensure that fault is attended even in case of water-logging due to rain etc., the maintenance staff should be provided necessary accessories/gum-boots etc
- viii. Replacement of the faulty modules with repaired modules as per instructions of Site Incharge

The maintenance of Exchanges will include maintenance of Landline Exchanges, DSLAM, transmission equipments, USO Wife Hot Spots & other Exchanges equipments etc. for keeping the equipments in working condition. However, as subject matter pertain to CFA cell, therefore, circle may include suitable activities/ penalties for these exchanges from CFA tender of the circle

In case of BTS/Exchange outages due to card faults of BTSs / NODE-Bs/ e-Node Bs/ Exchange fault, replace the fault items with the spare module/ cards as per instructions of BSNL Site In charge.

- ix. Faulty card/ units of BTS sites and other equipments need to be deposited at designated centre as per requirement and collection of repaired unit. It will be the responsibility of bidder to transport equipment with utmost care and during transportation no cards/units get damaged.
- x. In case of BTS/ exchange outages due to card faults of rectifier modules fault of power plant etc, replace the faulty items with the spare module /cards available from normal spare availability location or from nearby sites as directed. The card/module extraction/insertion and transport shall be as per the

recommended practice of the OEM/guidance of BSNL.

- xi. Any Mini Link/ OFC failure to be intimated to site in charge for prompt restoration of OFC fault, details of visual alarm noticed to be communicated to the maintenance In-charge.
- xii. To check Earth Connectivity is available at BTS/ Node B/ e-Node Bs. All measuring instruments to be provided by the vendor.
- xiii. Vendor personnel should be provided with photo ID cards by Outsourcing Vendor.
- xiv. The field staff being deployed should be provided with 2 SIMs one of BSNL & other from private TSPs for communication when BTS site is down. The list of same shall be provided at the time of Agreement. In case of any change in staff during the contract, the same shall be updated. BSNL employees too will share their 2 Mobile nos. of BSNL and other TSP
- xv. Maintaining EMF related boards and help in providing data for Biennial/Triennial submission of EMF Radiation for Mobile sites. (Bidder shall assist in Biennial/Triennial related activities like getting photograph & uploading to SSA CMTS Team etc.).
- xvi. Assistance in handling of minor store items.
- xvii. Ensure working of Power plant alarms with OMC-R.
- xviii. First line maintenance of power plants, battery and any problem reported (Any problem to be reported within 3hrs.)
- xix. Bidder to perform Preventive Maintenance activities as per the PM Annexure, will maintain the register for this activity and will submit the copy of the same duly verified by concerned unit-in- charge along with monthly bill.
- xx. Periodically check-up power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site Incharge and Charging of Battery.
- xxi. Tightening of all nuts/ screws in interconnecting point of power cable from EB panel board to each equipment
- xxii. To ensure the power plant/ control card is functioning properly so that battery do not go to deep discharge.
- xxiii. In case of any Power Plant outages due to fault in control card intimation to be given to Site Incharge for attending the same on priority.
- xxiv. The bidder has to supply and maintain a log book in every site/ Exchange. It is the responsibility of the bidder to update the logbook promptly. All the log books get signed by the concerned officer incharge in the first week of next month and submit with the invoice.
- xxv. Conducting Battery Backup test with Existing Load at least quarterly & record the same in Log Book.
- xxvi. Bidder has to provide related testing equipments and necessary conveyance to discharge the functions listed in the tender.
- xxvii. Air filter cleaning in BTS/ Node B/ e-Node B, every month and entry in log book of site.
- xxviii. Routine check of free cooling systems available at site and DG set and other Equipments i.e. BTS/Media etc. and record the same in log book as per the periodicity defined for the visit (monthly).
Reporting of any alarms/faults/untoward incident to the concerned officer
- xxix. Monitoring of Power Plant voltage and smooth change over in the absence of electricity.
- xxx. To provide assistance under various exchange site activities includes minor civil and electrical works such

as repair/replacement of MCB, & Switch, Aviation bulb, EB service cable, armoured AC cable replacement up to DG, repair/replacement of parts of LT panel/ lighting fixtures / smoke & fire alarm system / site earthing/ surge protection/ A/C unit etc.

- xxxi. Preventive checks and maintenance of Earthing & Lightning Protection systems including periodic checking/correction of these systems to ensure that all equipments are protected against surge/lightning related damages. This includes augmentation of the existing earthing/ lightning system where ever required, replacement of any rusted components, tightening of joints, replacement of lightning damaged components in infra equipments/electrical circuitry including ELCBs/surge protection devices/fuses/cables etc.
- xxxii. Maintenance of Tower Aviation light. Bidder to ensure working of Aviation light.
- xxxiii. Due to heavy dust, temperature of BTS increases and efficiency degrades. Hence, cleaning of all types of BTS/ Exchange equipment & other infrastructure need to be carried out. This should be done using proper tools (to be arranged by the bidder) including vacuum cleaner and under supervision.
- xxxiv. Assistance to transmission media team for extension of loop test, observation of alarm indicators, giving reset etc for troubleshooting shall be done. Testing of E1/FE/GE and other media activities from BTS site to BSC /RNC related equipment (looping/ measuring of Optical power) as and when required
- xxxv. Periodicity of visit to be at least once in 3 days for BSNL sites
- xxxvi. Site visit/ inspection/ cleaning activity proof to be provided at least once in a month to Site in charge
- xxxvii. Report EB failure of sites to concerned EB unit and intimate the docket no: if any, to concerned BSNL official. Constant coordination with Electricity Board/Corporation for restoration of power in consultation with BSNL Site Incharge and after restoration of EB power, ensure proper working ofPP/DG.
- xxxviii. BSNL may allocate work of collection of EB bills and submission to the concerned site in charge, submission of EB cheques to EB office from BSNL office, note down the closing electricity meter reading every month in every site and will intimate the same to the field officer along with entry in log book. Abnormal meter reading cases is to be immediately brought to the notice of the Concerned BSNL-in-charge. Electricity Bill collection/ correction (if wrong/ average) and intimation to concerned site in charge. Regarding Replacement of faulty electrical meter case to be immediately reported to the Concerned BSNL-in-charge.
- xl. Prevent misuse of electricity from the site. Penalty to be imposed if theft/misuse of electricity is detected as assessed by BSNL. This will be over and above the other penalties and will not be subject to capping if any
- xli. Sanction from EB/ police authorities to be arranged by the Vendor wherever necessary.
- xlii. The fire & smoke cum intruder detection systems installed in BTS sites are to be maintained by the bidder for its proper working. Periodic checking for the proper working of these systems and necessary repair/ replacement of faulty units are to be carried out by the bidder. The bidder shall maintain the fire extinguisher of CO2 in all BTS/exchange sites under maintenance.
- xliii. Routine check and Maintenance of Earth of power plant /BTS/ exchange and record the same in log book.
- xliv. Watering earth pit and ring earth of the tower.
- xlv. Battery cell replacement shall be done by the Bidder as & when required. This may involve rearrangement of the cells from other sites. Periodical check-up of power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site In charge and Charging of Battery

- xlvi. Bidder to deploy the skilled resources for cluster maintenance minimal per 10 sites for better maintenance and fault rectification. These numbers could be fixed by the respective BA/ Circle based on area specific condition.
- xlvii. In case of any loss or theft of any material/equipment at BTS site, concern person of bidder at BTS site is liable to lodge the DDR (Daily diary register) / FIR within one hour for the same to Police Authority and get CSR from police authorities. Primary responsibility is of bidder, if required BSNL site incharge will extend the help.
- xlviii. Bidder has to take "Take Over Certificate" of a BTS site along with all hardware /equipment details before commencement of contract from concern site in charge of BSNL
- xliv. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder.

B. BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)(2G and/or 3G and/or 4G)

- c. These are the sites housing only Mobile sites either 2G and/ or 3G and/ or 4G or a combination of them.
- d. Cleaning, security (to the extent of alerting any abnormal observation at the site during visits, intimating police authorities promptly w.r.t. any incident, ensuring functioning of lock & key.) and upkeeping of the site including all equipment, tower surroundings, shelter/OD cabinet, Media equipment, DG etc. This includes bush cutting in the BTS sites in open areas. All tools & Cleaning material to be provided by the bidder
- e. All leftover BTS related alarms, if any need to be made functional and to be extended upto OMCR within one month of operation. Equipment required for Alarm Extension to be provided by BSNL. Prompt action on receipt of instructions (by call or by SMS) from concerned officer regarding manual assistance in rectification of alarms/ faults in site.
- f. The Bidder should ensure that fault is attended even in case of water-logging due to rain etc., the maintenance staff should be provided necessary accessories/gum-boots etc.
- g. The bidder must ensure that the staff attending the BTS site will never engage into any argument with landlords for NBSNL sites. If site technician/security/caretaker refuses to allow access to site during both Normal and odd hours, the staff should immediately report to Site In charge and must not leave site until the Site in-charge gives permission to do so
- h. Replacement of the faulty modules with repaired modules as per instructions of Site Incharge
- i. In case of BTS outages due to control card faults of BTSs/ NODE-Bs/ e-Node Bs fault, replace the fault items with the spare module/ cards as per instructions of BSNL Site In charge.
- j. Faulty card/ unit to be deposited at designated centre as per requirement & collection of repaired unit. (It will be the responsibility of bidder that during transportation no cards/units get damaged).
- k. In case of BTS outages due to card faults of rectifier modules fault of power plant etc, replace the faulty items with the spare module /cards available from normal spare availability location or from nearby sites as directed. The card/module extraction/insertion and transport shall be as per the recommended practice of the OEM/guidance of BSNL
- l. Any Mini Link/ OFC failure to be intimated to site in charge for prompt restoration of OFC fault, details of visual alarm noticed to be communicated to the maintenance In-charge.

- m. To check Earth Connectivity is available at BTS/ Node B/ e-Node Bs (All measuring instruments to be provided by the vendor).
- n. Vendor personnel should be provided with photo ID cards by Outsourcing Vendor
- o. The field staff being deployed should be provided with 2 SIMs one of BSNL & other from private TSPs for communication when BTS site is down. The list of same shall be provided at the time of Agreement. In case of any change in staff during the contract, the same shall be updated. BSNL employees too will share their 2 Mobile nos. of BSNL and other TSP
- p. Maintaining EMF related boards and help in providing data for Biennial/Triennial submission of EMF Radiation for Mobile sites. (Bidder shall assist in Biennial/Triennial related activities like getting photograph & uploading to SSA CMTS Team etc.).
- q. Assistance in handling of minor store items.
- r. Ensure working of Power plant alarms with OMC-R.
 - s. Periodically check-up power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site Incharge and Charging of Battery.
 - t. Tightening of all nuts/ screws in interconnecting point of power cable from EB panel board to each equipment.
- u. To ensure the control card is functioning properly so that battery do not go to deep discharge.
- v. In case of any Power Plant outages due to fault in control card intimation to be given to Site In charge for attending the same on priority.
- w. The bidder has to supply and maintain a log book in every site. It is the responsibility of the bidder to update the logbook promptly. All the log books get signed by the concerned officer in the first week of next month and submit with the invoice
- x. Conducting Battery Backup test with Existing Load at least in quarterly & record the same in Log Book.
- y. First line maintenance of power plants, battery and any problem reported (Any problem to be reported within 3 hrs)
- z. Bidder to perform Preventive Maintenance activities as per the PM Annexure, will maintain the register for this activity and will submit the copy of the same duly verified by concerned unit-in- charge along with monthly bill.
- aa. Bidder has to provide related testing equipments & necessary conveyance to discharge the functions listed in the tender.
- bb. Air filter cleaning in BTS/ Node B/ e-Node B, every month and entry in log book of site.
- cc. Routine check of free cooling systems available at site and DG set and other Equipments i.e. BTS/Media etc. and record the same in log book as per the periodicity defined for the visit (monthly). Reporting of any alarms/faults/untoward incident to the concerned officer.
- dd. Monitoring of Power Plant voltage and smooth change over in the absence of electricity.
- ee. To provide assistance under various BTS site activities includes minor civil and electrical works such as repair/replacement of MCB, & Switch, Aviation bulb, EB service cable, armoured AC cable replacement up to DG, repair/replacement of parts of LT panel/ lighting fixtures / smoke & fire alarm system / site earthing/ surge protection/ A/C unit etc.

- ff. Preventive checks and maintenance of Earthing & Lightning Protection systems including periodic checking/correction of these systems to ensure that all equipments are protected against surge/lightning related damages. This includes augmentation of the existing earthing/ lightning system where ever required, replacement of any rusted components, tightening of joints, replacement of lightning damaged components in infra equipments/electrical circuitry including ELCBs/surge protection devices/fuses/cables etc
- gg. Maintenance of Tower Aviation light. Bidder to ensure working of Aviation light.
- hh. Due to heavy dust, temperature of BTS increases and efficiency degrades. Hence, cleaning of all types of BTS equipment & other infrastructure need to be carried out. This should be done using proper tools (to be arranged by the bidder) including vacuum cleaner and under supervision.
- ii. Assistance to transmission media team for extension of loop test, observation of alarm indicators, giving reset etc for troubleshooting shall be done. Testing of E1/FE/GE and other media activities from BTS site to BSC/ RNC related equipment (looping/ measuring of Optical power) as and when required.
- jj. Periodicity of visit to be once in 5 days for NBSNL sites
- kk. Site visit/ inspection/ cleaning activity proof to be provided at least once in a month to the Site Incharge.
- ll. Report EB failure of sites to concerned EB unit and intimate the docket no: if any, to concerned BSNL official. Constant Coordination with Electricity Board/ Corporation for restoration of power in consultation with BSNL Site Incharge and after restoration of EB power, ensure proper working of PP/DG.
- mm. BSNL may allocate work of collection of EB bills and submission to the concerned site in charge, submission of EB cheques to EB office from BSNL office, note down the closing electricity meter reading every month in every site and will intimate the same to the field officer along with entry in log book. Abnormal meter reading cases is to be immediately brought to the notice of the Concerned BSNL-in-charge. Electricity Bill collection/ correction (if wrong/ average) and intimation to concerned site in charge. Regarding Replacement of faulty electrical meter case to be immediately reported to the Concerned BSNL-in-charge.
- nn. Prevent misuse of electricity from the site. Penalty to be imposed if theft/misuse of electricity is detected as assessed by BSNL. This will be over and above the other penalties and will not be subject to capping if any
- xl. Sanction from EB/ police authorities to be arranged by the Vendor wherever necessary
- xli. The fire & smoke cum intruder detection systems installed in BTS sites are to be maintained by the bidder for its proper working. Periodic checking for the proper working of these systems and necessary repair/replacement of faulty units are to be carried out by the bidder. The bidder shall maintain the fire extinguisher of CO2 in all BTS sites under maintenance.
- xlii. Routine check and Maintenance of Earth of power plant / BTS and record the same in log book. xliii. Battery cell replacement shall be done by the Bidder as & when required. This may involve rearrangement of the cells from other sites. Periodical check-up of power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site In charge and Charging of Battery
- xliv. Bidder to deploy the skilled resources for cluster maintenance minimal per 10 sites for better maintenance and fault rectification. These numbers could be fixed by the respective BA/ Circle based on area specific condition
- xlv. In case of any loss or theft of any material/equipment at BTS site, concern person of bidder at BTS site is liable to lodge the DDR (Daily diary register) / FIR within one hour for the same to Police Authority and get CSR from police authorities. Primary responsibility is of bidder, if required BSNL site incharge will extend the help.

- xlvi. Bidder has to take "Take Over Certificate" of a BTS site along with all hardware /equipment details before commencement of contract from concern site in charge of BSNL
- xlvii. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder.

C. BTS Maintenance for Infrastructure Provider (IP) sites (2G and/or 3G and/or 4G)

1. These are the Infrastructure Providers (IP) sites housing only Mobile sites either 2G and/ or 3G and/ or 4G or a combination of them.
2. All leftover BTS related alarms at IP sites, if any need to be made functional and to be extended upto OMCR within one month of operation. Equipment required for Alarm Extension to be provided by BSNL.
3. Prompt action on receipt of instructions (by call or by SMS) from concerned officer regarding manual assistance in rectification of alarms/ faults in site.
4. The Bidder should ensure that fault is attended even in case of water-logging due to rain etc., the maintenance staff should be provided necessary accessories/gum-boots etc.
5. The bidder must ensure that the staff attending the IP site BTS will never engage into any argument with IP site security/caretaker/technician. If site technician/security/caretaker refuses to allow access to site during both Normal and odd hours, the staff should immediately report to Site In charge and must not leave site until the Site in-charge gives permission to do so.
6. Replacement of the faulty modules with repaired modules as per instructions of Site Incharge
7. In case of BTS outages due to card faults of BTSs/ NODE-Bs/ e-Node Bs fault, replace the fault items with the spare module /cards as per instructions of BSNL Site In charge
8. Faulty card/units of BTS sites and other equipments need to be deposited at designated centre as per requirement & collection of repaired unit. It will be the responsibility of bidder that during transportation no cards/unit get damaged.
9. Any Mini Link/ OFC failure to be intimated to site in charge for prompt restoration of OFC fault, details of visual alarm noticed to be communicated to the maintenance In-charge.
10. Air filter cleaning in BTS/ Node B/ e-Node B, every month and entry in log book of site.
11. For prolonged failure of Electricity as intimated by BSNL officer, Coordination for restoration of EB in consultation with IP In charge.
12. To check Earth Connectivity is available at BTS/ Node B/e-Node Bs (All measuring instruments to be provided by the vendor).
13. Vendor personnel should be provided with photo ID cards by Outsourcing Vendor
14. The field staff being deployed should be provided with 2 SIMs one of BSNL & other from private TSPs for communication when BTS site is down. The list of same shall be provided at the time of Agreement. In case of any change in staff during the contract, the same shall be updated. BSNL employees too will share their 2 Mobile nos. of BSNL and other TSP.
15. Maintaining EMF related boards and help in providing data for Biennial/Triennial submission of EMF Radiation for Mobile sites. (Bidder shall assist in Biennial/Triennial related activities like getting photograph & uploading to SSA CMTS

Team etc.).

16. Assistance in handling of minor store items.
- xlvi. Ensure working of Power plant alarms with OMC-R.
- xlix. First line maintenance of BTS/ media equipment and any problem reported.
17. Bidder to perform Preventive Maintenance activities as per the PM Annexure, will maintain the register for this activity and will submit the copy of the same duly verified by concerned unit-in- charge along with monthly bill.
18. In case of any Power Plant outages due to fault in control card intimation to be given to Site In charge/ IP incharge for attending the same on priority.
19. Bidder has to provide related testing equipments and necessary conveyance to discharge the functions listed in the tender.
20. Bidder should provide safety shoes, helmets to maintenance staffs as per safety regulations of IPs
e.g. INDUS, ATC for attending faults in IP sites
21. Routine check of Equipments i.e. BTS/ Media etc. and record the same in log book as per the periodicity defined for the visit (monthly). Reporting of any alarms/faults/untoward incident to the concerned officer.
22. Periodicity of visit to be atleast once in 2 weeks for IP sites.
23. Site visit/ inspection/ cleaning activity proof to be provided at least once in a month to Site Incharge.
24. Due to heavy dust, temperature of BTS site increases and efficiency degrades. Hence, cleaning of all types of BTS/media equipment need to be carried out. This should be done using proper tools (to be provided by the bidder) including vacuum cleaner and under supervision.
25. Cleaning of the site including BTS OD cabinet & Media equipment etc. All tools & Cleaning material to be provided by the bidder
26. Assistance to transmission media team for extension of loop test, observation of alarm indicators, giving reset etc for troubleshooting shall be done. Testing of E1/FE/GE and other media activities from BTS site to BSC/RNC related equipment (looping/ measuring of Optical power) as and when required.
27. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder.

D. Rigger activities for BSNL, Non-BSNL and IP sites

- xliv. Dismantling of Antenna
- xlv. Installation of Antenna
- xlvi. Dismantling of Antenna Fixture (for phase/ Space diversity antenna)
- xlvii. Fixation of Antenna Fixture (for phase/ Space diversity antenna)
- xlviii. Height lowering of Phase Diversity Antenna along with fixture
- xlix. Hoisting of RF Cable including connectorisation

- I. Removing of RF Cable
- li. Installation of Microwave Dish Antenna (Mini Link)
- lii. Dismantling of Microwave Dish Antenna (Mini Link)
- liii. Microwave Link LOS work including ODU replacement
- liv. ODU Replacement for Minilink.
- lv. Re-orientation/ Tilt adjustment of Antenna.
- lvi. Verification/ Replacement of weather proof tapes to prevent water entry.
- lvii. Verification/ replacement of connectors/ fittings and removal of VSWR including connectorisationand weather proofing.
- lviii. Assistance in Verification/correction of MW LOS.
- lix. Verification/ correction of Lightning Arrestor and its fittings.
- lx. Sector addition.
- lxi. Antenna Changing.
- lxii. Microwave Fault attending.
- lxiii. Microwave installation/replacement.
- lxiv. CPRI cable fault attending/replacement.
- lxv. Feeder/ RF/ OF cable fault attending and replacement.
- lxvi. 2G/3G/4G booster installation.
- lxvii. 2G/3G/4G Repeater installations.
- lxviii. Any other related works in Tower.
- lxix. Antenna Orientation & Tilt as per requirement for optimization.
- lxx. VSWR fault rectification per sector (includes reconnectorisation, jumper cable change & weather proofing) (Handheld VSWR meter to be provided by the Vendor as per requirement)
- lxxi. Checking & correction of RF cable/ Fiber swap, Antenna at RRH, removal of bird/honey bee/waspnest.
- lxxii. Hoisting of CIPRI cable to RRH (Base Unit to RX unit on tower), per meter
- lxxiii. Connectorization of CIPRI Cable at RRH, per Site
- lxxiv. Hoisting of Power cable to RRH (Base Unit to RX unit on tower), per meter
- lxxv. Connectorization of Power Cable including boot sealing, at RRH, per Site
- lxxvi. Running of Earthing Cable with connectorization to RRH, per meter
- lxxvii. VSWR fault rectification per sector (includes reconnectorization, jumper cable change & weather proofing), at RRH and Antenna ends
- lxxviii. Hoisting of IF cable with connectorization, per meter
- lxxix. RF module dismantling with SFP, per module
- lxxx. Fixing of wall mounting fixture, per fixture
- lxxxi. Installation of RF cable tray for wall mounting Antenna per meter
- lxxxii. Installation of Micro/ Macro BTS Equipment per unit
 - xl. Laying of RF Cable per meter for Micro BTS (50M /site)xi.
 - Installation of Splitter including connectorization
 - xlii. Installation of Patch/Panel/ Omni antenna with connectorization
 - xl.iii. RF Repeater Installation including Yagi/ Panel Antenna & RF Cable of 25Mxliv.
 - Completion of ordered RF optimization/ rigger activity.
 - xl. v. Restoration of Rigger related fault resulting in site fully/ partially down
 - xlvi. RRH replacement (dismantling and installation) in case of faulty one or new one
 - xl. vii. RRU link (Link between BBU-RRH link) restoration for RRH sites along with provision to providethe RRU link materials if found damaged).
 - xl. viii. If the microwave IDU/ODU IF connector faulty, the bidder is to arrange these IF connectors andreplace them
 - xl. ix. EGB / IGB fixing.
 1. Grounding of feeder cable.
 - li. Laying of RF jumper cable and Connectorization of jumper cable.lii.
 - Fixing of surge arrestors.
 - liii. Heat shrinks joint at Indoor jumper / power cables.liv.

- Hoisting / de-hoisting of RRH.
- iv. Hoisting / de-hoisting of Microwave IF cable from IDU to ODU on tower with connectorization.lvi.
Hoisting / de-hoisting of Radio modem ODU with antenna.
- lvii. De-hoisting CAT (1+1) cable from antenna(ODU) on tower to IDU.
- lviii. Alignment of Radio modem antenna at A and B end for link up of the system.lix.
Rigger activities including Hoisting / Dehoisting of all type of RF work
- lx. Hoisting / Dehoisting of Heavy RF material require supporting workers and may be included in tender.
- lxi. RRH/RRU attending or replacing antennae required additional man power apart from rigger alone.In present tender we struggled each time arranging additional manpower during replacement of faulty RRU/RRH. Such arrangements should be there in new tender.
- lxii. Changing of OVP (Over Voltage protection)
- lxiii. All measuring/ safety materials and proper dedicated transport to be provided by the Vendor, BSNL will not be liable for any claim against any accident/ mishappening occurs while performing any task defined under this tender by the bidder personnel.
- lxiv. Any other activity with minor modification in RF as per guidance of BSNL
- lxv. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder

E. Scope related to Diesel filling and DG operation (Excluding IP sites):

- xxxvi. BSNL has an MOU with oil companies for procurement of diesel from their specified outlets throughpetro/ fleet cards. Petro/ fleet card will be issued to the vendor or his authorized person & payment will be made directly to the oil companies by BSNL. The bidder(s) shall draw diesel by means of the fleet card/petro- cards under the control of SDE/ SDO. The bidder(s) shall use appropriate vehicles (to be arranged by the bidder) for transportation of diesel from the designated nearest petrol pump to the sites. Any loss/ misuse of the petro/ fleet cards issued to the vendor will be theresponsibility of the Vendor. Any such losses will be recovered by BSNL from the vendor by adjusting against the payment due to the service provider or will be recovered from PBG.
- xxxvii. In the case of any pilferage/ misuse causing loss to BSNL, a penalty of 200% of the loss or as decided by the competent authority of BSNL will be imposed on the bidder. Any reduction in the diesel cost/ loyalty benefits in view of the MOU will be availed by BSNL. It will be the responsibilityof the bidder to reconcile the diesel consumption as per actual usage in field with that in petrol/ fleet card account.
- xxxviii. The diesel filling in specified BTS sites shall be carried out on a periodic basis, includingtransportation from Petrol Pump. On an average, every site needs diesel filling as and when required. The service provider shall study the alarms extended from the BTS to learn about the power outage and swiftly act to fill the diesel. Hence, the requirement pattern shall be studied by the supplier and fuel filling be designed accordingly, so as to ensure the availability of fuel ensuring4 hours of back-up.
- xxxix. Obtaining a special permit, if any required, from the Motor vehicle department or any other authority for transporting diesel in bulk through motor vehicle shall be the responsibility of the contractor.
- xl. Checking the level of diesel in the DG tank at the time of filling (opening level & closing level) and making necessary entries in the prescribed log book for diesel filling. If there is any kind of disputeregarding the diesel consumption, in that case a joint team of bidder(s) and BSNL will carry out thediesel consumption check on the disputed site and the average checked will be used for both retrospective as well as prospective reimbursements for that sites.
- xli. BSNL will not be responsible for any delay in payment of invoices or expenses due to any error, incomplete statement or late receipt of the same.
- xlii. The bidder(s) should have technical support to determine and judge the number of electricity unitsgenerated by using one litre of diesel fuel. Actual consumption of diesel at site will be verified withthe help of CPH, DG HOUR METERS, DG KWH METERS.

- xl. Pilferage of diesel will lead to severe penalty and recovery from the vendor. Therefore, this is in the interest of both Vendors and BSNL that correct hour meter and KWH Meter readings to ascertain actual consumption shall be exhibited at the site, which will be verified by BSNL, from time to time. Records of these parameters shall invariably be maintained. DG servicing and tuning /maintenanceshould be done to have the maximum fuel efficiency. However, the frequency of DG shall be maintained to the standard level only.
- xli. The Average load of the site shall be reviewed based on actual measurement on quarterly basis. The mechanism of testing and determination of average load shall be decided by department.
- xlii. Entering DG & Battery voltage readings/status in the BTS site log book
- xliiii. Checking the meter reading in the DG run hour meter (opening and closing readings) and Controller logged hours (if available) and making entries of DG run hours in the Prescribed log book.
- xliiii. Running of DG sets as and when required at any time of the day or night. Assisting in Diesel filling.. Assistance in the handling of minor store items.
- xliiii. During the availability of main electric supply, DGs are not to be run. The operator shall keep the track of drainage of exchange battery voltage and shall start only when the voltage drops to 49 V.
- xliiii. In the event of EB supply failure, operator shall operate DG after verifying the sufficient drainage of Exchange battery voltage. If power is not resumed within two hour, he may stop the EA Set and again allow the exchange battery voltage to drain sufficiently. The same sequence should continue till resumption of power supply
- l. Arranging test run in case, if any dispute arise between the Contractor and the BSNL official concerned.
- li. The fuel utilization reconciliation will be based on CPH based validation with run hr meter count plus DG run readings from OMCR/NOC. As per BTS load and capacity of DG, the average CPH may be taken as 2.2 Liter / Hour for DG Sets up to 15 KVA capacity and 2.7 Litre/ Hour for more than 15KVA capacity. However, this is indicative data and actual CPH may depend on individual make/capacity and will be informed by site incharge.
- lii. DG hour meter and KWH meter and AMF panel incorporated in DG to be kept in working condition and any tampering / fault will entail penalty as well as action for recovery of losses to BSNL.
- liii. DG battery should be maintained, safeguarded and kept in charged condition at the site so as to start the DG at the time of main supply outage. Life of DG battery is minimum two years. Therefore, if any damage happens to the battery within this period, the agency has to replace it free of cost. At the time of hand over, healthy battery will be provided (approximate used period / manufacturing date will also be indicated).
- liv. Other than the periodic refilling, whenever there is an emergency requirement based on OMCR low fuel alarm or message given by the concerned officer, refilling shall be arranged within three hours on getting such intimation
- lv. BSNL may order for Diesel filling for specific site as per requirement. Ordered diesel filling should be done by the Vendor within 24 hours of intimation.
- lvi. A monthly Site wise statement detailing the opening balance of diesel, diesel filled during the month, closing balance, DG run hours etc shall have to be submitted by the bidder(s) to BSNL.
- lvii. BSNL reserves the right to incorporate and ask for any other reconciliation / operation report during the currency of tender.
- lviii. The service provider/contractor shall ensure that the DG should be run in case of power failure. The agency has to develop a methodology of getting information of power failure and action to start and stop EA Set accordingly. After power failure and as per the battery voltage conditions, the firm shall make arrangements for DG Start and stop in case auto mode operation of DG set is not functional
- lix. A-check of DGs including its test operation, monitoring of fuel/ oil/ coolant level, check leakage if any, test operation of changeover of MSEB/DG supply etc shall be done. All alarms of DG such as Low fuel level, DG on

load shall be kept up-to-date for log verifying log book entries.

- lx. Proper maintenance of earth I /c watering & checking for healthiness up to DG is to be done, to have a stable power supply EA Set.
- lxi. The payment of diesel cost from BSNL will be limited to actual consumption based on log book after applying the ceiling limit based on the consumption computed with Run Hour meter reading and per hour consumption indicated in this tender document, on a which-ever-less basis.
- lxii. The payment will be based on logbook entries, but will be limited to monthly consumption based on run hour meter reading and the average consumption in liters/hour for each DG shall be measured along with the BSNL team and jointly signed off soon after any site is added in work order for diesel filling. In general, as per BTS load and capacity of DG, the average CPH may be taken as 2.2 LITRE / HOUR for DG Sets up to 15 KVA capacity and 2.7 Liter/Hour for more than 15KVA capacity. It is to be noted that in no case, hour meter remain non operational for consecutivemonths
- lxiii. The bills will be verified, passed & forwarded by BSNL representative based on the consumption in liters / Hour indicated in the tender document. Any extra cost incurred will be the responsibility of the bidder. If the diesel cost through Petro/ fleet card is found to be less than the diesel consumption based on mileage, the bidder will not have any claim for the additional cost.
- lxiv. The sites for which even one instance of diesel filling in the month is not recorded will not be considered for Diesel filling expenses for the said month.
- lxv. In the case of MOU with oil companies, BSNL will pay directly to the Oil companies. Any excess usage of Diesel after tallying with log book entries/Run hour meter will be adjusted from bills at theend of every quarter.
- lxvi. The bidder has to supply and maintain a log book in every site/ Exchange for Diesel filling. It is the responsibility of the bidder to update the logbook promptly on Diesel filling.
- lxvii. Concerned BSNL officers will periodically verify the logbook entries and put their initials. The bidderhas to seal and lock the hour meter in the presence of BSNL representative. Every month the hourmeter reading is to be noted by bidder along with the BSNL representative and a consolidated statement along with log book reports is to be submitted by the bidder. Under any circumstances ifany of the units like run hour meter is faulty then the diesel filling should be done under the supervision of any of the BSNL officers/ persons authorized by BSNL.
- lxviii. If the bidder provider feels that average consumption per hour in that site is to be reviewed due toaging of DG or other factors then a test run can be requested by the bidder to recalculate the Average consumption/hour for that particular site. The test run will be conducted by a joint team consisting of representatives of bidder and BSNL. Once having jointly signed off on CPH, reviewwill not be made for another six months.
- lxix. If any fraudulent activity by the personnel deployed in filling of diesel/ running of DG in Mobile sites is detected by BSNL authorized personnel/officer, then the bidder(s) is liable to pay penalty as assessed by BSNL i.e. the cost of consequential damages to installation(s)/DG set(s) would be deducted at actual, from the bidder's bill. This will be over and above the other penalties and will not be subject to capping if any.
- lxx. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder

DG Set Maintenance Activities

Weekly/ monthly DG check schedule need to be followed and any problem need to be communicated to Mobile/Exchange site In-charge. Weekly/ monthly schedule alongwith the maintenance activities to be covered will be communicated by Mobile/ Exchange site Incharge. Suggestive activities are as below:

- i. Make sure there are no fluid leaks

- ii. Run the generator (typically no-load, automatic transfer switch exercise cycle).
- iii. Verify that the unit ran and has no alarms or warnings.
- iv. Ensure adequate fuel levels.
- v. Ensure that the generator is in “Auto” mode, for automatic startup.
- vi. Check engine coolant level.
- vii. Check engine oil level.
- viii. Check the battery charger.
- ix. Run the generator (with load, automatic transfer switch exercise cycle).
- x. Manual assistance in changeover of MSEB/DG supply and attending to minor faults like tripping of switches, manual changeover in AC units, swapping of power plant unit etc.
- xi. Routine check of DG, Power plant, Battery and Equipments and record the same in log book as per the instructions given in the log book. Reporting of any alarms/ faults/ untoward incident to the concerned officer.
- xii. Assisting in Diesel filling in the DG Set available at the site.
- xiii. Check the battery electrolyte level and specific gravity.
- xiv. Check battery cables and connections.
- xv. Inspect drive belts.
- xvi. Inspect the coolant heater.
- xvii. Check coolant lines and connections.
- xviii. Check for oil leaks and inspect lubrication system hoses and connectors.
- xix. Check for fuel leaks and inspect fuel system hoses and connectors.
- xx. Inspect the exhaust system, muffler and exhaust pipe.
- xxi. Check and clean air cleaner units.
- xxii. Inspect air induction piping and connections.
- xxiii. Inspect the DC electrical system, control panel and accessories.
- xxiv. Inspect the AC wiring and accessories.

A1 BTS Maintenance for BSNL sites (Excluding IP sites)

- oo. These are the sites housing Mobile site collocated with Telephone Exchange (2G and/or 3G and/or 4G or a combination of them AND Telephone Exchange).
- pp. Maintenance of Exchanges ¹
- qq. Cleaning, security (to the extent of alerting any abnormal observation at the site during visits, intimating police authorities promptly w.r.t. any incident, ensuring functioning of lock & key and upkeep of the site including all equipment, tower surroundings, shelter/OD cabinet, Media equipment, DG etc. This includes bush cutting in the BTS sites/ Exchanges in open areas. All tools & Cleaning material to be provided by the bidder.
- rr. Exchange/ BTS site cleaning including BTS & Exchange equipment`s, Roof Area, Compound Area. Cleaning to be carried out by blower etc. (Equipments for cleaning to be provided by the Vendor)
- ss. All leftover BTS related alarms, if any need to be made functional and to be extended upto OMCR within one month of operation. Equipment required for Alarm Extension to be provided by BSNL.
- tt. Prompt action on receipt of instructions (by call or by SMS) from concerned officer regarding manual assistance in rectification of alarms/ faults in BTS site/ Exchange, DSLAM, other equipment.
- uu. The Bidder should ensure that fault is attended even in case of water-logging due to rain etc., the maintenance staff should be provided necessary accessories/gum-boots etc
- vv. Replacement of the faulty modules with repaired modules as per instructions of Site Incharge

¹ The maintenance of Exchanges will include maintenance of Landline Exchanges, DSLAM, transmission equipments, USO Wife Hot Spots & other Exchanges equipments etc. for keeping the equipments in working condition. However, as subject matter pertains to CFA cell, therefore, circle may include suitable activities/ penalties for these exchanges from CFA tender of the circle

In case of BTS/Exchange outages due to card faults of BTSs / NODE-Bs/ e-Node Bs/ Exchange fault, replace the fault items with the spare module/ cards as per instructions of BSNL Site In charge.

- ww. Faulty card/ units of BTS sites and other equipments need to be deposited at designated centre as per requirement and collection of repaired unit. It will be the responsibility of bidder to transport equipment with utmost care and during transportation no cards/units get damaged.
- xx. In case of BTS/ exchange outages due to card faults of rectifier modules fault of power plant etc, replace the faulty items with the spare module /cards available from normal spare availability location or from nearby sites as directed. The card/module extraction/insertion and transport shall be as per the recommended practice of the OEM/guidance of BSNL.
- yy. Any Mini Link/ OFC failure to be intimated to site in charge for prompt restoration of OFC fault, details of visual alarm noticed to be communicated to the maintenance In-charge.
- zz. To check Earth Connectivity is available at BTS/ Node B/ e-Node Bs. All measuring instruments to be provided by the vendor.
- aaa. Vendor personnel should be provided with photo ID cards by Outsourcing Vendor.
- bbb. The field staff being deployed should be provided with 2 SIMs one of BSNL & other from private TSPs for communication when BTS site is down. The list of same shall be provided at the time of Agreement. In case of any change in staff during the contract, the same shall be updated. BSNL employees too will share their 2 Mobile nos. of BSNL and other TSP
- ccc. Maintaining EMF related boards and help in providing data for Biennial/Triennial submission of EMF Radiation for Mobile sites. (Bidder shall assist in Biennial/Triennial related activities like getting photograph & uploading to SSA CMTS Team etc.).
- ddd. Assistance in handling of minor store items.
- eee. Ensure working of Power plant alarms with OMC-R.
- fff. First line maintenance of power plants, battery and any problem reported (Any problem to be reported within 3hrs.)
- ggg. Bidder to perform Preventive Maintenance activities as per the PM Annexure, will maintain the register for this activity and will submit the copy of the same duly verified by concerned unit-in-charge along with monthly bill.
- hhh. Periodically check-up power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site Incharge and Charging of Battery.
- iii. Tightening of all nuts/ screws in interconnecting point of power cable from EB panel board to each equipment
- jjj. To ensure the power plant/ control card is functioning properly so that battery do not go to deep discharge.
- kkk. In case of any Power Plant outages due to fault in control card intimation to be given to Site In charge for attending the same on priority.
- lll. The bidder has to supply and maintain a log book in every site/ Exchange. It is the responsibility of the bidder to update the logbook promptly. All the log books get signed by the concerned officer incharge in the first week of next month and submit with the invoice.
- mmm. Conducting Battery Backup test with Existing Load at least quarterly & record the same in Log Book.
- nnn. Bidder has to provide related testing equipments and necessary conveyance to discharge the functions listed in the tender.
- ooo. Air filter cleaning in BTS/ Node B/ e-Node B, every month and entry in log book of site.
- ppp. Routine check of free cooling systems available at site and DG set and other Equipments i.e. BTS/ Media etc. and record the same in log book as per the periodicity defined for the visit (monthly).
Reporting of any alarms/faults/untoward incident to the concerned officer
- qqq. Monitoring of Power Plant voltage and smooth change over in the absence of electricity.
- rrr. To provide assistance under various exchange site activities includes minor civil and electrical works such as repair/replacement of MCB, & Switch, Aviation bulb, EB service cable, armoured AC cable replacement up to DG, repair/replacement of parts of LT panel/ lighting fixtures / smoke & fire alarm

- system / site earthing/ surge protection/ A/C unit etc.
- sss. Preventive checks and maintenance of Earthing & Lightning Protection systems including periodic checking/correction of these systems to ensure that all equipments are protected against surge/lightning related damages. This includes augmentation of the existing earthing/ lightning system where ever required, replacement of any rusted components, tightening of joints, replacement of lightning damaged components in infra equipments/electrical circuitry including ELCBs/surge protection devices/fuses/cables etc.
 - ttt. Maintenance of Tower Aviation light. Bidder to ensure working of Aviation light.
 - uuu. Due to heavy dust, temperature of BTS increases and efficiency degrades. Hence, cleaning of all types of BTS/ Exchange equipment & other infrastructure need to be carried out. This should be done using proper tools (to be arranged by the bidder) including vacuum cleaner and under supervision.
 - vvv. Assistance to transmission media team for extension of loop test, observation of alarm indicators, giving reset etc for troubleshooting shall be done. Testing of E1/FE/GE and other media activities from BTS site to BSC /RNC related equipment (looping/ measuring of Optical power) as and when required
 - www. Periodicity of visit to be at least once in 3 days for BSNL sites
 - xxx. Site visit/ inspection/ cleaning activity proof to be provided at least once in a month to Site in charge
 - yyy. Report EB failure of sites to concerned EB unit and intimate the docket no: if any, to concerned BSNL official. Constant coordination with Electricity Board/Corporation for restoration of power in consultation with BSNL Site Incharge and after restoration of EB power, ensure proper working of PP/DG.
 - zzz. BSNL may allocate work of collection of EB bills and submission to the concerned site in charge, submission of EB cheques to EB office from BSNL office, note down the closing electricity meter reading every month in every site and will intimate the same to the field officer along with entry in log book. Abnormal meter reading cases is to be immediately brought to the notice of the Concerned BSNL-in-charge. Electricity Bill collection/ correction (if wrong/ average) and intimation to concerned site in charge. Regarding Replacement of faulty electrical meter case to be immediately reported to the Concerned BSNL-in-charge.
- xl. Prevent misuse of electricity from the site. Penalty to be imposed if theft/misuse of electricity is detected as assessed by BSNL. This will be over and above the other penalties and will not be subject to capping if any
 - xli. Sanction from EB/ police authorities to be arranged by the Vendor wherever necessary.
 - xlii. The fire & smoke cum intruder detection systems installed in BTS sites are to be maintained by the bidder for its proper working. Periodic checking for the proper working of these systems and necessary repair/ replacement of faulty units are to be carried out by the bidder. The bidder shall maintain the fire extinguisher of CO2 in all BTS/exchange sites under maintenance.
 - xliii. Routine check and Maintenance of Earth of power plant /BTS/ exchange and record the same in log book.
 - xliv. Watering earth pit and ring earth of the tower.
 - xlv. Battery cell replacement shall be done by the Bidder as & when required. This may involve rearrangement of the cells from other sites. Periodical check-up of power plant modules working, load sharing and ensuring sufficient Modules are available for Equipment in consultation with Site In charge and Charging of Battery
 - xlvi. Bidder to deploy the skilled resources for cluster maintenance minimal per 10 sites for better maintenance and fault rectification. These numbers could be fixed by the respective BA/ Circle based on area specific condition.
 - xlvii. In case of any loss or theft of any material/equipment at BTS site, concern person of bidder at BTS site is liable to lodge the DDR (Daily diary register) / FIR within one hour for the same to Police Authority and get CSR from police authorities. Primary responsibility is of bidder, if required BSNL site incharge will extend the help.
 - xlviii. Bidder has to take "Take Over Certificate" of a BTS site along with all hardware /equipment details before commencement of contract from concern site in charge of BSNL
 - xliv. For any tendered work not attended in time, BSNL will have the right to get it done from external resources and payment made to them will be recovered from bidder.

4. Specialised Rigger and RF Optimization Works for BSNL, Non- BSNL and IP sites)

- A. This includes various types of works at sites to be carried out at all types of sites with the required supervision provided by the SP in-addition to the overall supervision by BSNL executives and includes works requiring special skills particularly for working on heights on tower and hence will include all the necessary precautions to be taken.**
- B. The specifications of activities are listed as DETAILED REQUIREMENT OF SPECIALISED WORK and will be paid as per the unit of works applicable as mentioned in the table below and according to the rate quoted per unit.**
- C. Vendor shall be awarded with a minimum 25 rigger units per month per district and equivalent payment shall be made to vendor even though total rigger units supplied in a calendar month as per table given in 4.6 is less than 25 units. If the total rigger supply in calendar month is greater than 25 units per district as per clause 4.6, the payment shall be made as per actual usage. Vendor has to ensure that one rigger is reporting at the designated place on daily basis. Transportation of the rigger within the district is the responsibility of the vendor.**
- D. Service Provider and SSA may assess the further requirement of a specialized workforce based on the requirement and number of sites in SSA.**
- E. The charges against handling, by way of loading and unloading wherever required, of items required for doing the rigger works is deemed part of the rigger work ordered even if not explicitly stated. This is applicable even if the work involved carrying of items to upper storeys of any building.**
- F. Transportation arrangement of rigger force to the sites shall be the responsibility of the SP.**

RIGGER WORK BILASPUR OA (NON CLUSTER SITES)		
SNo	Description of Work with riggers	Unit Rate
1	Antenna Orientation & Tilt per sector	0.5
2	Dismantling of Antenna, per antenna	0.8
3	Dismantling of Antenna Fixture, per fixture (single pole fixture)	1
4	Dismantling of Antenna Fixture, per fixture (Double pole fixture)	1.6
5	Installation of Antenna, per antenna	0.8
6	Fixation of Antenna Fixture, per fixture (single pole fixture)	1
7	Fixation of Antenna Fixture, per fixture (Double pole fixture)	1.5
8	Height lowering/raising of Phase Diversity Antenna with AMF	2
9	Hoisting of RF Cable including clamping and connectorization, per 10 metre	0.15
10	Removing of RF Cable, per 10 metre	0.1
11	VSWR fault rectification per cable (includes reconnectorization, jumper cable change & weather proofing) at tower top.	0.5
12	Weather Proofing, per cable	0.1
13	Checking & correction of RF cable swap, per site/ replacement of SFP/OVP	0.5
14	Installation of Microwave Dish (Mini Link), per Antenna	2
15	Removing of Microwave Dish (Mini Link), per Antenna	1.5
16	Microwave Link LOS work (Per Site)	0.5
17	ODU Replacement for Mini link, per Antenna	0.6
19	Laying of RF Cable per 10 meter for Micro BTS (IBS)	0.2
20	Installation of Splitter including connectorization	0.2
21	Installation of Patch/Panel / Omni antenna with connectorization	0.2
22	RF Repeater Installation including Yagi / Panel Antenna & RF Cable up to 25M	1
23	Removal of Honey bee/wasp nest	1.5
24	Removal / installation of one faulty RRH module from tower and packing	1
25	Replacement of CAT-5/CAT- 6/IF/CPRI/ RRH power cable on tower per cable	0.3
27	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at Antenna End per Unit	0.5
28	Making Waveguide Connector of "RF Feeder Cable" including Weather	0.5

	Coating and Grounding at BTS End per Unit	
29	Replacement of "Jumper Cable including weather coating" at Antenna/BTS Per No.	0.1
30	Grounding of "RF Cable".	0.2
31	Installation/ Dismantling of "Minilink Pole/fixure" (Pole/fixure supplied by BSNL) Per Pole	0.5
32	Hoisting/Replacement of aviation light Per Site	1
33	EMF Survey photo Per Site	0.2
34	Erection/installation of runway/cable tray per meter with support (runway material will be provided by BSNL)	0.2
35	The rate for any work that is required to be done and it is not available in the above list can be mutually decided by BSNL and the service provider based on the unit/units for another work requiring similar skill & effort	

RIGGER WORK AMBIKAPUR OA (NON CLUSTER SITES)		
SNo	Description of Work with riggers	Unit Rate
1	Antenna Orientation & Tilt per sector	0.5
2	Dismantling of Antenna, per antenna	0.8
3	Dismantling of Antenna Fixture, per fixture (single pole fixture)	1
4	Dismantling of Antenna Fixture, per fixture (Double pole fixture)	1.6
5	Installation of Antenna, per antenna	0.8
6	Fixation of Antenna Fixture, per fixture (single pole fixture)	1
7	Fixation of Antenna Fixture, per fixture (Double pole fixture)	1.5
8	Height lowering/raising of Phase Diversity Antenna with AMF	2
9	Hoisting of RF Cable including clamping and connectorization, per 10 metre	0.15
10	Removing of RF Cable, per 10 metre	0.1
11	VSWR fault rectification per cable (includes reconectorization, jumper cable change & weather proofing) at tower top.	0.5
12	Weather Proofing, per cable	0.1
13	Checking & correction of RF cable swap, per site/ replacement of SFP/OVP	0.5
14	Installation of Microwave Dish (Mini Link), per Antenna	2
15	Removing of Microwave Dish (Mini Link), per Antenna	1.5
16	Microwave Link LOS work (Per Site)	0.5
17	ODU Replacement for Mini link, per Antenna	0.6
19	Laying of RF Cable per 10 meter for Micro BTS (IBS)	0.2
20	Installation of Splitter including connectorization	0.2
21	Installation of Patch/Panel / Omni antenna with connectorization	0.2
22	RF Repeater Installation including Yagi / Panel Antenna & RF Cable up to 25M	1
23	Removal of Honey bee/wasp nest	1.5
24	Removal / installation of one faulty RRH module from tower and packing	1
25	Replacement of CAT-5/CAT- 6/IF/CPRI/ RRH power cable on tower per cable	0.3
27	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at Antenna End per Unit	0.5
28	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at BTS End per Unit	0.5
29	Replacement of "Jumper Cable including weather coating" at Antenna/BTS Per No.	0.1
30	Grounding of "RF Cable".	0.2
31	Installation/ Dismantling of "Minilink Pole/fixure" (Pole/fixure supplied by BSNL) Per Pole	0.5
32	Hoisting/Replacement of aviation light Per Site	1
33	EMF Survey photo Per Site	0.2

34	Erection/installation of runway/cable tray per meter with support (runway material will be provided by BSNL)	0.2
35	The rate for any work that is required to be done and it is not available in the above list can be mutually decided by BSNL and the service provider based on the unit/units for another work requiring similar skill & effort	

RIGGER WORK RAIGARH OA (NON CLUSTER SITES)		
SNo	Description of Work with riggers	Unit Rate
1	Antenna Orientation & Tilt per sector	0.5
2	Dismantling of Antenna, per antenna	0.8
3	Dismantling of Antenna Fixture, per fixture (single pole fixture)	1
4	Dismantling of Antenna Fixture, per fixture (Double pole fixture)	1.6
5	Installation of Antenna, per antenna	0.8
6	Fixation of Antenna Fixture, per fixture (single pole fixture)	1
7	Fixation of Antenna Fixture, per fixture (Double pole fixture)	1.5
8	Height lowering/raising of Phase Diversity Antenna with AMF	2
9	Hoisting of RF Cable including clamping and connectorization, per 10 metre	0.15
10	Removing of RF Cable, per 10 metre	0.1
11	VSWR fault rectification per cable (includes reconectorization, jumper cable change & weather proofing) at tower top.	0.5
12	Weather Proofing, per cable	0.1
13	Checking & correction of RF cable swap, per site/ replacement of SFP/OVP	0.5
14	Installation of Microwave Dish (Mini Link), per Antenna	2
15	Removing of Microwave Dish (Mini Link), per Antenna	1.5
16	Microwave Link LOS work (Per Site)	0.5
17	ODU Replacement for Mini link, per Antenna	0.6
19	Laying of RF Cable per 10 meter for Micro BTS (IBS)	0.2
20	Installation of Splitter including connectorization	0.2
21	Installation of Patch/Panel / Omni antenna with connectorization	0.2
22	RF Repeater Installation including Yagi / Panel Antenna & RF Cable up to 25M	1
23	Removal of Honey bee/wasp nest	1.5
24	Removal / installation of one faulty RRH module from tower and packing	1
25	Replacement of CAT-5/CAT- 6/IF/CPRI/ RRH power cable on tower per cable	0.3
27	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at Antenna End per Unit	0.5
28	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at BTS End per Unit	0.5
29	Replacement of "Jumper Cable including weather coating" at Antenna/BTS Per No.	0.1
30	Grounding of "RF Cable".	0.2
31	Installation/ Dismantling of "Minilink Pole/fixure" (Pole/fixure supplied by BSNL) Per Pole	0.5
32	Hoisting/Replacement of aviation light Per Site	1
33	EMF Survey photo Per Site	0.2
34	Erection/installation of runway/cable tray per meter with support (runway material will be provided by BSNL)	0.2
35	The rate for any work that is required to be done and it is not available in the above list can be mutually decided by BSNL and the service provider based on the unit/units for another work requiring similar skill & effort	

a. Methodology of some specialised works:

The work activities listed under specialised work in table above are to be

- performed as per specifications given for some of them below and as per instructions of Engineer-In-charge. The balance works in the table shall be done as per best practices in the industry and standard, instructions of Engineer-In-charge and any guidelines from the OEM concerned.
- i. **VSWR Measurement & Correction**
 - 5 **Correction of VSWR to be done and proper weatherproofing to be done to avoid fault repetition. VSWR corrective action includes tracing of VSWR fault with the help of site master, RF connector cleaning/making, changing faulty RF jumper and cleaning of whole RF cable, in case rain water reaches inside it.**
 - 6 **Standard waterproofing material is to be provided by BSNL and applied by the contractor at the time of VSWR correction.**
 - 7 **VSWR of the corrected sector to be measured with Site Master & to be confirmed with OMCR Staff. Ideal value of VSWR is less than 1.3**
 - 8 **Repeated VSWR faults of the same Sector/Antenna will not be treated as a new fault for a duration of Six months from the last VSWR correction date.**
 - 9 **For this purpose components like faulty connectors, Surge arrester, jumpers (2 to 3 meters) and weather proofing will be provided by BSNL or as per quoted rates by the supplier if needed by BSNL.**
 - ii. **Rectification of Mini link /Radio Modem faults**
 - 10 **Alignment of the Antenna is to be done, so that LOS (Line of Site) link is established with the far end terminal and the SNR (Signal to Noise Ratio) is within the acceptable limits.**
 - 11 **Checking of AGC voltage using appropriate Meters at MW antenna end at both locations simultaneously and monitoring of Rx Lev Power at Both ends for proper tuning/ alignment of Microwave Antenna to be done and MW link is to be established with adequate Rx levels as per the instruction of BSNL Incharge**
 - 12 **Ensuring of proper earthing of Mw antenna Structures, IF cables to be ensured**
 - 13 **Proper Connectorization of IF cables, Earth cable termination and Weather proofing at connector portion of Antenna should be done.**
 - 14 **Proper leading of IF cable up to the MW IDU unit to be ensured**
 - 15 **Ensuring of proper Power cabling from Critical MCB points of Power Plant (if provision available) to the MW IDU, ensuring proper Earthing of IDU to Ground Bar.**
 - 16 **E1's from the DMW system should be terminated on the DDF (Digital Distribution Frame) at the BTS (Base Transceiver Station) side.**
 - 17 **Alignment of Radio Modem Antenna with Far end to adequate RSSI values to establish stable Radio Modem Links to be done**
 - 18 **Ensure proper Earthing, Connectorization and Weather Proofing of POE cables at Radio Modem Antenna end as well as Indoor Switch Equipments.**
 - iii. **Addition/Removal of 2G, 3G, 4G and Mini Link (ODU Dome) Antenna Along with Fixture/Mount**
 - 1 **Addition/ Removal/ Replacement of Indoor type Antennae viz Patch Panel, Dome Type etc as part of Indoor Coverage enhancement and Small Cell deployment to be done as per the instruction of BSNL Incharges**
 - iv. **Addition/Removal of RF (Feeder) Cable at any Tower**
 4. **Replacement of faulty RF (Feeder) cable between BTS & Antenna as & when required to rectify the fault.**
 5. **Laying of new RF cable in case of theft or need basis & removal of damaged RF cable.**
 6. **Replacement/laying of RF (feeder) cable includes connectors making, termination of RF cable between Antenna & BTS and weather proofing at all required joints.**
 7. **For this purpose, connectors, Surge arrester, jumpers (2 to 3 meters) and weather proofing etc will be provided by BSNL or as per quoted rates by the supplier if needed by BSNL.**
 - v. **Erection/installation of runway/cable tray [External Feeder cable Gantry]**
 - 1 **The external gantry (cable tray for waveguide / RF feeders) should be typically made**

of 45x45x6 mm angles and should be of hot dip galvanized iron material [material will be given by BSNL]. The same should be at least 45 cm wide in order to give provision for future cables. It should be supported strongly on a cemented base on the ground on coupled dual pipes, every 5 meters] so as to ensure proper support for working personnel on the gantry.

- vi. The manpower resources deployed for execution of these specialised works shall be generally in addition to the resources attached for cluster-based site maintenance. But they shall work in coordination with each other for the best results.
- vii. Payment against specialised works will be from the total units ordered based on the quantity of unit of work as stated in the SoR for the zone and also specified in the work order which will be issued on as per district/BA basis.

D. RF Optimization & Rigger Activities

- (a) Height adjustment (raising/lowering) or position change (at different leg of tower/poles for fixing antenna towards desired azimuth) of space/Phase Diversity Antenna along with fixture.
- (b) Verification/replacement of faulty RF Module/RRH installed at tower.
- (c) Replacement of damaged RF Cable including connectorisation.
- (d) Minilink/Microwave Link fault attending.
- (e) Minilink/Microwave Link LOS Verification/correction work including faulty ODU replacement.
- (f) Re-orientation/Tilt adjustment of Antennas per requirement for optimization.
- (g) Verification/Replacement of weather proof tapes to prevent water entry.
- (h) Verification/replacement of connectors/fittings and removal of VSWR including connectorisation and weather proofing.
- (i) Verification/correction of Lightning Arrestor and its fittings.
- (j) Faulty Antenna replacement.
- (k) CPRI/optical cable fault attending/replacement.
- (l) Feeder/RF/power cable (installed at tower/pole) fault attending and replacement.
- (m) Checking & correction of RF/CPRI/Fibre cable swap.
- (n) Removal of bird/honey bee/wasp nest.
- (o) Any other activity with minor modification in RF as per guidance of BSNL.

E. General Instruction i.r.o. Site maintenance

- (i) Any other miscellaneous work related to the BTS site maintenance, assigned by the concerned Sub Divisional Engineer(Mobile)/Junior Telecom Officer (Mobile) or any other officer in charge.
- (ii) All the tools and testers like laptop with connecting cables to equipment, vacuum cleaner/air blower, basic tool kit with screwdriver/spanner/tester etc. required with every Cluster/site for conduct of above responsibilities shall be the scope of the Bidder(s).
- (iii) There should be three visits per site per month.
- (iv) When there is any upgrade at site i.r.o. any parameters of antenna / addition of new site, bidder(s) shall submit data related to EMF for NEP Portal as per terms & conditions of DOT TERM CELL. The format for data will be mentioned later.
 - a. Panoramic photographs of 360 degree including surrounding buildings & Security board photographs
 - b. GPS of Latitude /Longitude of Tower
 - c. Site/Building Lay out
 - d. Feeder cable length
 - e. Tilt
 - f. Azimuth

The above information may be required for any site on need basis also.

- (v) **Owner issue/site accessibility at the sites will be resolved by BSNL. Payment will not be done for the period in which site is not working due to this issue.**
- (vi) Any other miscellaneous work related to the BTS site maintenance, assigned by the officer in charge.
- (vii) Rigger activity will be provided in coordination with the BSNL staff at the time of RF Optimization & Drive Test by BSNL.

F. General Requirements to be followed for the execution of works:

- 1.1 The riggers deployed shall be expert in tower related works as per norms/standard of BSNL which

- will be decided by Officer In-charge of BSNL's mobile Unit. If it is observed by BSNL that required expertise & skill is not available with the deployed resource/resources and is communicated in writing to the Bidder(s), the resources shall be changed within 7 days.
- 1.2 Safety belts & other safety tools/equipment's must be provided to the riggers by BIDDER(s)
 - 1.3 Contractor must provide 'site master' such as appropriated test & measurement instrument for VSWR measurement & VSWR fault locating on regular basis.
 - 1.4 Contractor shall provide blower and other cleaning material for cleaning BTS equipment.
 - 1.5 Other tools and tester related to above works like rope, pulley, spanner etc. shall be provided by contractor.
 - 1.6 All the riggers shall hold required licenses and permits for the job under the contract labour(R&A) act 1970 and contract labour (Regulation & Abolition) central rules 1971, before commencement of the work and continue to have a valid license until completion of work. Any other statutory laws under state and central governments applicable from time to time shall be strictly complied with.
 - 1.7 All necessary tools & testers are to be arranged by contractor.
 - 1.8 Bidder(s) shall be responsible to have their own teams to perform the day-to-day works as per this contract. The persons utilized by the contractor for manual assistance to subdivisions should be semi-skilled. The persons should necessarily have a Two-wheeler and a mobile connection. They shall visit the BTS Site as per schedule to carry out the activities listed in above clauses. They should also attend to the works on call basis whenever there is such requirement, at any time. The persons utilized by the contractor should preferably be a local resident with sufficient knowledge of operating DG and other electronic switches fuse-carriers, fuse cut-outs and changeovers who shall reach the site within half an hour of getting the calls.
 - 1.9 BSNL also reserves the right to terminate this agreement at any time, by giving an advance notice of one month.
 - 1.10 The exact address details of all the BTS locations will be given while signing the contract. The quantity of the BTS locations Cluster-wise will also be provided at the same time.
 - 1.11 BSNL reserves the right to vary the quantity as per relevant tender clauses.
 - 1.12 BSNL reserves the right to change the BTS locations under the contract, with 7 days' notice. The bidder(s) has to continue the support as per this contract in the changed locations.
 - 1.13 As per this CONTRACT, the vendor has to ensure that there is no BTS outage due to delay in Diesel filling or unsatisfactory BTS Maintenance support.
 - 1.14 Any BTS site commissioned at new location after the agreement will be added in the scope of this agreement as per finalized rate in this tender, however if any technology 2G/3G/4G/hotspot etc added in existing/working BTS locations will be covered without any extra cost
 - 1.15 Bidder(s) shall station sufficient number of Persons to support the services as per this contract. Persons should be placed in such a way that they are able to carry out the day to day activities as mentioned in relevant clauses of this section
 - 1.16 The bidder(s) shall provide proper identity card to the persons utilized/ subcontractors.
 - 1.17 The bidder(s) shall support/co-ordinate with other agencies working at the BTS sites, (which) who are authorized by the BSNL.
 - 1.18 **No staff deployed directly or indirectly by the contractor for the CONTRACT service would have any claim in any way for getting future employment in BSNL.**
 - 1.19 The bidder(s) shall coordinate with OMCR/NOC and field level BSNL officers (Mobile) to schedule and monitor the Diesel filling and BTS Upkeep activity. Arrangement to collect "Low fuel Alarms" from OMCR/NOC is to be done by the bidder. Responsibility to communicate the centrally collected information from OMCR/NOC alarms or by SMS/calls/email, to the concerned field persons is with the vendor.
 - 1.20 The bidder(s) should provide the contact details of all the persons/agencies marked for Diesel filling activity and BTS Maintenance works to the concerned officers. In case of any change of persons, it should be with advance intimation to the concerned BSNL officers with the changes in contact details, if any.
 - 1.21 The Bidder(s) will also maintain the logbook at each site (to be kept with BSNL) where in the routine visits/ checks, activities done as part of BTS Upkeep, Diesel filling and DG run details are to be entered on a daily basis. The same shall be countersigned by the concerned BSNL in-charge for reference.
 - 1.22 Officer in charge/duty officer of the BSNL site will carefully monitor the entries and countersign the logbook periodically.

- 1.23 The Bidder(s) shall also maintain a consolidated record of the activities carried out as per this contract, a copy of which along with performance reports from field unit is to be submitted along with the invoice for payment on a monthly basis.
- 1.24 In order to ensure the security of the network, successful bidder(s) will be required to submit the signed Non- Disclosure document.
- 1.25 Bidder(s) shall ensure that the agencies or any other representative concerned for support strictly adheres to the following policy of BSNL:
- a. Any change on equipment shall only be performed by the bidder(s) after notification and Approval by BSNL.
 - b. Passwords/locking system on any equipment will be set by BSNL representatives and should not be changed by bidder's representative without the approval from concerned BSNL officer.
 - c. Bidder(s) shall notify BSNL, when its employee who has access to BSNL Equipment/configuration leaves the company or is transferred to another position which no longer requires access. Also the bidder(s) shall surrender the Temporary ID cards of the employees issued by any agency related to BSNL during the course of BTS Maintenance of specific sites at the time of cessation of service of a BTS Upkeep personnel from bidder's company or from the company to which bidder has entered in to an agreement for service.
 - d. Bidder(s) or its representatives shall not make a change on any system that is not directly related to his job/duty.

Note: -GST will be imposed separately on the penalties, which are described in the tender document).

- G.** Any new locations added in the scope will also be classified by BSNL accordingly.
- H.** Penalty will be calculated as per Section-3 Part B

Section-5 Part C
Schedule of Requirement (SoR)

A. Bilaspur OA (Cluster-03)

Part-I: BTS & Infrastructure Maintenance Outsourcing

Cluster No.	Cluster Name	Name of Service	Quantity (A)	SOR Rate per site per month (Excluding GST) in Rs. (B)	SOR Cost per Year (Excluding GST) in Rs. [(C)=(A)*(B)*12]
03	Bilaspur OA	BTS & Infrastructure Maintenance for BSNL sites (Excluding IP sites)	0	2631	0
		BTS Maintenance for BSNL sites (Excluding IP sites)	53	1619	10,29,684
		BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)	154	2631	48,62,088
		BTS Maintenance for Infrastructure Provider (IP) sites	69	1619	13,40,532

Part-II: Rigger activities for Non-Outsourced mobile BTS sites on fault/need basis

Part-II: Rigger activities for Non-Outsourced mobile BTS sites on fault/need basis				
Cluster No.	Cluster Name	Name of Service	Multiplying Factor (MF)	SOR Rate per unit (Excluding GST)
03	Bilaspur OA	Rigger activity for Non-Outsourced mobile BTS sites	One Unit (1)	1100

The tentative list of activities is mentioned in table below. Rate for a rigger activity can be derived as per applicable multiplying factor (MF) mentioned in the table below & according to the one unit rate i.e. Rate for a rigger activity = SOR Rate per unit * Activity multiplying factor.

E.g. Antenna Orientation & Tilt per sector (Rate in Rs.) = 1100 * 0.5 = Rs. 550/-

RIGGER WORK BILASPUR OA (NON-OUTSOURCED BTS SITES)				
S.No.	Description of Work with riggers	MF	QUANTITY	AMOUNT (in Rs.)
1	Antenna Orientation & Tilt per sector	0.5	90	49500
2	Dismantling of Antenna, per antenna	0.8	240	211200
3	Dismantling of Antenna Fixture, per fixture (single pole fixture)	1	240	264000
4	Dismantling of Antenna Fixture, per fixture (Double pole fixture)	1.6	5	8800
5	Installation of Antenna, per antenna	0.8	30	26400
6	Fixation of Antenna Fixture, per fixture (single pole fixture)	1	5	5500
7	Fixation of Antenna Fixture, per fixture (Double pole fixture)	1.5	5	8250
8	Height lowering/raising of Phase Diversity Antenna with AMF	2	2	4400
9	Hoisting of RF Cable including clamping and connectorization, per 10 metre	0.15	30	4950
10	Removing of RF Cable, per 10 metre	0.1	7	770
11	VSWR fault rectification per cable (includes reconnectorization, jumper cable change & weather proofing) at tower top.	0.5	300	165000
12	Weather Proofing, per cable	0.1	40	4400
13	Checking & correction of RF cable swap, per site/ replacement of SFP/OVP	0.5	7	3850

14	Installation of Microwave Dish (Mini Link), per Antenna	2	15	33000
15	Removing of Microwave Dish (Mini Link), per Antenna	1.5	15	24750
16	Microwave Link LOS work (Per Site)	0.5	15	8250
17	ODU Replacement for Mini link, per Antenna	0.6	11	7260
19	Laying of RF Cable per 10 meter for Micro BTS (IBS)	0.2	1	220
20	Installation of Splitter including connectorization	0.2	1	220
21	Installation of Patch/Panel / Omni antenna with connectorization	0.2	1	220
22	RF Repeater Installation including Yagi / Panel Antenna & RF Cable up to 25M	1	1	1100
23	Removal of Honey bee/wasp nest	1.5	1	1650
24	Removal / installation of one faulty RRH module from tower and packing	1	29	31900
25	Replacement of CAT-5/CAT- 6/IF/CPRI/ RRH power cable on tower per cable	0.3	4	1320
27	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at Antenna End per Unit	0.5	50	27500
28	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at BTS End per Unit	0.5	50	27500
29	Replacement of "Jumper Cable including weather coating" at Antenna/BTS Per No.	0.1	250	27500
30	Grounding of "RF Cable".	0.2	25	5500
31	Installation/ Dismantalling of "Minilink Pole/fixure" (Pole/fixure supplied by BSNL) Per Pole	0.5	20	11000
32	Hoisting/Replacement of aviation light Per Site	1	4	4400
33	EMF Survey photo Per Site	0.2	40	8800
34	Erection/installation of runway/cable tray per meter with support (runway material will be provided by BSNL)	0.2	1	220
35	The rate for any work that is required to be done and it is not available in the above list can be mutually decided by BSNL and the service provider based on the unit/units for another work requiring similar skill & effort	-	-	-
			Total	979330

B. Surguja OA (Cluster-05)

Part-I: BTS & Infrastructure Maintenance Outsourcing

Cluster No.	Cluster Name	Name of Service	Quantity (A)	SOR Rate per site per month (Excluding GST) in Rs. (B)	SOR Cost per Year (Excluding GST) in Rs. [(C)=(A)*(B)*12]
05	Surguja OA	BTS & Infrastructure Maintenance for BSNL sites (Excluding IP sites)	9	2631	2,84,148
		BTS Maintenance for BSNL sites (Excluding IP sites)	30	1619	5,82,840
		BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)	65	2631	20,52,180
		BTS Maintenance for Infrastructure Provider (IP) sites	95	1619	18,45,660

Part-II: Rigger activities for Non-Outsourced mobile BTS sites on fault/need basis

Part-II: Rigger activities for Non-Outsourced mobile BTS sites on fault/need basis				
Cluster No.	Cluster Name	Name of Service	Multiplying Factor (MF)	SOR Rate per unit (Excluding GST)
05	Surguja OA	Rigger activity for Non-Outsourced mobile BTS sites	One Unit (1)	1100

The tentative list of activities is mentioned in table below. Rate for a rigger activity can be derived as per applicable multiplying factor (MF) mentioned in the table below & according to the one unit rate i.e. Rate for a rigger activity = SOR Rate per unit * Activity multiplying factor.

E.g. Antenna Orientation & Tilt per sector (Rate in Rs.) = 1100 * 0.5 = Rs. 550/-

RIGGER WORK SURGUJA OA (NON-OUTSOURCED BTS SITES)				
S. No.	Description of Work with riggers	MF	QUANTITY	AMOUNT (in Rs.)
1	Antenna Orientation & Tilt per sector	0.5	80	44000
2	Dismantling of Antenna, per antenna	0.8	210	184800
3	Dismantling of Antenna Fixture, per fixture (single pole fixture)	1	180	198000
4	Dismantling of Antenna Fixture, per fixture (Double pole fixture)	1.6	5	8800
5	Installation of Antenna, per antenna	0.8	28	24640
6	Fixation of Antenna Fixture, per fixture (single pole fixture)	1	5	5500
7	Fixation of Antenna Fixture, per fixture (Double pole fixture)	1.5	5	8250
8	Height lowering/raising of Phase Diversity Antenna with AMF	2	2	4400
9	Hoisting of RF Cable including clamping and connectorization, per 10 metre	0.15	30	4950
10	Removing of RF Cable, per 10 metre	0.1	7	770
11	VSWR fault rectification per cable (includes reconnectorization, jumper cable change & weather proofing) at tower top.	0.5	220	121000
12	Weather Proofing, per cable	0.1	30	3300
13	Checking & correction of RF cable swap, per site/ replacement of SFP/OVP	0.5	7	3850
14	Installation of Microwave Dish (Mini Link), per Antenna	2	12	26400
15	Removing of Microwave Dish (Mini Link), per Antenna	1.5	10	16500
16	Microwave Link LOS work (Per Site)	0.5	15	8250
17	ODU Replacement for Mini link, per Antenna	0.6	11	7260
19	Laying of RF Cable per 10 meter for Micro BTS (IBS)	0.2	1	220
20	Installation of Splitter including connectorization	0.2	1	220
21	Installation of Patch/Panel / Omni antenna with connectorization	0.2	1	220
22	RF Repeater Installation including Yagi / Panel Antenna & RF Cable up to 25M	1	1	1100
23	Removal of Honey bee/wasp nest	1.5	1	1650
24	Removal / installation of one faulty RRH module from tower and packing	1	20	22000
25	Replacement of CAT-5/CAT- 6/IF/CPRI/ RRH power cable on tower per cable	0.3	4	1320
27	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at Antenna End per Unit	0.5	25	13750
28	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at BTS End per Unit	0.5	25	13750
29	Replacement of "Jumper Cable including weather coating" at Antenna/BTS Per No.	0.1	125	13750
30	Grounding of "RF Cable".	0.2	25	5500
31	Installation/ Dismantling of "Minilink Pole/fixure" (Pole/fixure supplied by BSNL) Per Pole	0.5	20	11000
32	Hoisting/Replacement of aviation light Per Site	1	4	4400
33	EMF Survey photo Per Site	0.2	40	8800

34	Erection/installation of runway/cable tray per meter with support (runway material will be provided by BSNL)	0.2	1	220
35	The rate for any work that is required to be done and it is not available in the above list can be mutually decided by BSNL and the service provider based on the unit/units for another work requiring similar skill & effort			
			Total	768570

C. Cluster-06 (Raigarh OA)

Part-I: BTS & Infrastructure Maintenance Outsourcing

Cluster No.	Cluster Name	Name of Service	Quantity (A)	SOR Rate per site per month (Excluding GST) in Rs. (B)	SOR Cost per Year (Excluding GST) in Rs. [(C)=(A)*(B)*12]
06	Raigarh OA	BTS & Infrastructure Maintenance for BSNL sites (Excluding IP sites)	7	2631	2,21,004
		BTS Maintenance for BSNL sites (Excluding IP sites)	18	1619	3,49,704
		BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)	143	2631	45,14,796
		BTS Maintenance for Infrastructure Provider (IP) sites	11	1619	2,13,708

Part-II: Rigger activities for Non-Outsourced mobile BTS sites on fault/need basis

Part-II: Rigger activities for Non-Outsourced mobile BTS sites on fault/need basis				
Cluster No.	Cluster Name	Name of Service	Multiplying Factor (MF)	SOR Rate per unit (Excluding GST)
06	Raigarh OA	Rigger activity for Non-Outsourced mobile BTS sites	One Unit (1)	1100

The tentative list of activities is mentioned in table below. Rate for a rigger activity can be derived as per applicable multiplying factor (MF) mentioned in the table below & according to the one unit rate i.e. Rate for a rigger activity = SOR Rate per unit * Activity multiplying factor.

E.g. Antenna Orientation & Tilt per sector (Rate in Rs.) = 1100 * 0.5 = Rs. 550/-

RIGGER WORK RAIGARH OA (NON-OUTSOURCED BTS SITES)				
S. No.	Description of Work with riggers	MF	QUANTIT Y	AMOUNT (in Rs.)
1	Antenna Orientation & Tilt per sector	0.5	40	22000
2	Dismantling of Antenna, per antenna	0.8	80	70400
3	Dismantling of Antenna Fixture, per fixture (single pole fixture)	1	80	88000
4	Dismantling of Antenna Fixture, per fixture (Double pole fixture)	1.6	3	5280
5	Installation of Antenna, per antenna	0.8	15	13200
6	Fixation of Antenna Fixture, per fixture (single pole fixture)	1	3	3300
7	Fixation of Antenna Fixture, per fixture (Double pole fixture)	1.5	5	8250
8	Height lowering/raising of Phase Diversity Antenna with AMF	2	1	2200
9	Hoisting of RF Cable including clamping and connectorization, per 10 metre	0.15	15	2475
10	Removing of RF Cable, per 10 metre	0.1	7	770

11	VSWR fault rectification per cable (includes reconnectorization, jumper cable change & weather proofing) at tower top.	0.5	100	55000
12	Weather Proofing, per cable	0.1	20	2200
13	Checking & correction of RF cable swap, per site/ replacement of SFP/OVP	0.5	7	3850
14	Installation of Microwave Dish (Mini Link), per Antenna	2	3	6600
15	Removing of Microwave Dish (Mini Link), per Antenna	1.5	5	8250
16	Microwave Link LOS work (Per Site)	0.5	5	2750
17	ODU Replacement for Mini link, per Antenna	0.6	5	3300
19	Laying of RF Cable per 10 meter for Micro BTS (IBS)	0.2	1	220
20	Installation of Splitter including connectorization	0.2	1	220
21	Installation of Patch/Panel / Omni antenna with connectorization	0.2	1	220
22	RF Repeater Installation including Yagi / Panel Antenna & RF Cable up to 25M	1	1	1100
23	Removal of Honey bee/wasp nest	1.5	1	1650
24	Removal / installation of one faulty RRH module from tower and packing	1	10	11000
25	Replacement of CAT-5/CAT- 6/IF/CPRI/ RRH power cable on tower per cable	0.3	4	1320
27	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at Antenna End per Unit	0.5	20	11000
28	Making Waveguide Connector of "RF Feeder Cable" including Weather Coating and Grounding at BTS End per Unit	0.5	20	11000
29	Replacement of "Jumper Cable including weather coating" at Antenna/BTS Per No.	0.1	150	16500
30	Grounding of "RF Cable".	0.2	25	5500
31	Installation/ Dismantalling of "Minilink Pole/fixure" (Pole/fixure supplied by BSNL) Per Pole	0.5	10	5500
32	Hoisting/Replacement of aviation light Per Site	1	1	1100
33	EMF Survey photo Per Site	0.2	40	8800
34	Erection/installation of runway/cable tray per meter with support (runway material will be provided by BSNL)	0.2	1	220
35	The rate for any work that is required to be done and it is not available in the above list can be mutually decided by BSNL and the service provider based on the unit/units for another work requiring similar skill & effort			
			Total	373175

SECTION-6(A)
UNDERTAKING & DECLARATION

6(A) - For understanding the terms & condition of Tender & Spec. of work

a) Certified that:

1. I/ We have read, understood and agree with all the terms and conditions, specifications included in the tender documents & offer to execute the work at the rates quoted by us in the tender form.
2. If I/ We fail to enter into the agreement & commence the work in time, the EMD/ SD deposited by us will stand forfeited to the BSNL.

b) The tenderer hereby covenants and declares that:

1. All the information, Documents, Photo copies of the Documents/Certificates enclosed along with the Tender offer are correct.
2. If anything is found false and/or incorrect and/or reveals any suppression of fact at any time, BSNL reserves the right to debar our tender offer/ cancel the LOA/ Purchase/ work order if issued and forfeit the EMD/ SD/ Bill amount pending with BSNL. In addition, BSNL may debar the contractor from participation in its future tenders.

Date:

Place:

.....

.....

Signature of Tenderer

Name of Tenderer

Along with date & Seal

SECTION 6 (B) – NEAR-RELATIONSHIP CERTIFICATE:

(Format of the Certificate to be given as per the clause 34.3 of Section-4 Part-A by the bidder in respect of status of employment of his/ her near relation in BSNL) *

** I.....s/o.....r/o.....here by certify that none of my relative(s) as defined in The tender document is/are employed in any BSNL Unit as defined in the clause in the Tender Enquiry, on Near relationship.*

OR

** Following are the details of near relatives working with the BSNL.*

<i>S. No.</i>	<i>Name of the Relative</i>	<i>Designation</i>	<i>Name of the Unit (Office & section of BSNL) where working</i>

** Strike off whichever is not applicable.*

In case at any stage, it is found that the information given by me is false/incorrect, BSNL shall have the absolute right to take any action as deemed fit/without any prior intimation to me.

Signature of the Proprietor/Partners/Directors of the tenderer entity

With date and seal

SECTION -6(C)
TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

To

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender/Work/Cluster:-

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

as per your Publication, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from PageNo. to _____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all the information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your Department/ Organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

SECTION- 7 (PROFORMAS)
7(A) For the BID SECURITY/ EMD Guarantee
 (To be typed on Rs.100/- non-judicial stamp paper)

Sub: Bid Security/EMD guarantee.

1. Whereas M/sR/o
 (Hereafter referred to as Bidder) has approached us for giving Bank
 Guarantee of Rs./- (hereafter known as the "B. G. Amount") valid up to
/...../ 20..... (hereafter known as the "Validity date") in favour of
 (Hereafter referred to BSNL) for participation in the tender of work
 of vide tender no.

Now at the request of the Bidder, We Bank
 Branch having
 (Address) and Regd. office addressas

(Hereinafter called 'the Bank') agrees to give this guarantee as hereinafter contained:

2. We the Bank do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the BSNL stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the BSNL by reason of breach by the said bidder(s) of any of terms or conditions contained in the said Agreement or by reason of the bidder (s) failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee where the decision of the BSNL in these counts shall be final and binding on the bank. However, our liability under this guarantee shall be restricted to an amount not exceeding the "B. G. Amount".
3. We undertake to pay to the BSNL any money so demanded notwithstanding any dispute or disputes raised by the bidder(s) in any suit or proceeding before any court or tribunal relating thereto our liability under this present being absolute and unequivocal. The Payment so made by us under this bond shall be valid discharge of our liability for payment there under and the bidder(s) shall have no claim against us for making such payment.
4. We the Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the BSNL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till BSNL Certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said bidder(s) and accordingly discharge this guarantee. Unless a demand or claim under this guarantee is made on us in writing or before the expiry of Validity date from the date hereof, we shall be discharged from all liability under this guarantee thereafter.
5. We the Bank further agree with the BSNL that the BSNL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said bidder(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the BSNL against the said bidder(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Bidder(s) or for any forbearance, act or omission on the part of the BSNL or any indulgence by the BSNL to the said bidder(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. Notwithstanding anything herein contained;
 - (a) The liability of the Bank under this guarantee is restricted to the "B. G. Amount" and it will remain in force up to its Validity date specified above.
 - (b) The guarantee shall stand completely discharged and all rights of the BSNL under this Guarantee shall be extinguished if no claim or demand is made on us in writing on or before its validity date.
7. In case BSNL demands for any money under this bank guarantee, the same shall be paid through banker's Cheque in favour of ".....".
8. The Bank guarantees that the below mentioned officer who have signed it on behalf of the Bank have authority to give this guarantee under its delegated power.

Place:
 Date:

(Signature of the Bank Officer)
 Rubber stamp of the bank

Authorized Power of Attorney Number: Name
 of the Bank officer: Designation:
 Complete Postal address of

Bank:

..... Telephone
Numbers

Fax numbers

Dated:.....

SECTION 7(B) For the Performance Guarantee
(To be typed on Rs.100/- non-judicial stamp paper)

Sub: Performance guarantee.

1. Whereas, CGMT CG Circle BSNL Raipur, _____ (Hereafter referred to as BSNL) has issued an APO no. Dated/...../20.... awarding the work of to M/s
R/o (hereafter referred to as "Bidder") and BSNL has asked him to submit a performance guarantee in favour of _____, (Hereafter referred to BSNL) of Rs...../- (hereafter referred to as "P.G. Amount") valid up to/...../20.... (hereafter referred to as "Validity Date")

Now at the request of the Bidder, We Bank Branch having (Address) and Regd. office address as (Hereinafter called 'the Bank') agreed to give this guarantee as hereinafter contained:

2. We, "the Bank" do hereby undertake and assure to the BSNL that if in the opinion of the BSNL, the Bidder has in any way failed to observe or perform the terms and conditions of the said agreement or has committed any breach of its obligations there-under, the Bank shall on demand and without any objection or demur pay to the BSNL the said sum limited to P.G. Amount or such lesser amount as BSNL may demand without requiring BSNL to have recourse to any legal remedy that may be available to it to compel the Bank to pay the same.
3. Any such demand from the BSNL shall be conclusive as regards the liability of Bidder to pay to BSNL or as regards the amount payable by the Bank under this guarantee. The Bank shall not be entitled to withhold payment on the ground that the Bidder had disputed its liability to pay or has disputed the quantum of the amount or that any arbitration proceeding or legal proceeding is pending between Bidder and BSNL regarding the claim.
4. We, the Bank further agree that the guarantee shall come into force from the date of its issue and shall remain in full force and effect up to its Validity date.
5. The Bank further agrees that the BSNL shall have the fullest liberty without the consent of the Bank and without affecting in any way the obligations hereunder to vary any of the terms and conditions of the said agreement or to extend the time for performance of the said agreement from any of the powers exercisable by BSNL against the Bidder and to forebear to enforce any of the terms and conditions relating to the said agreement and the Bank shall not be relieved from its liability by reason of such failure or extension being granted to Bidder or through any forbearance, act or omission on the part of BSNL or any indulgence by BSNL to Bidder or any other matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of relieving or discharging the guarantor.
6. Notwithstanding anything herein contained;
(a) The liability of the Bank under this guarantee is restricted to the B.G. Amount and it will remain in force up to its Validity date.
(b) The guarantee shall stand completely discharged and all rights of the BSNL under this Guarantee shall be extinguished if no claim or demand is made on us in writing on or before its validity date.
7. In case BSNL demands for any money under this bank guarantee, the same shall be paid through banker's Cheque in favour of ".....".
8. The Bank guarantees that the below mentioned officer who have signed it on behalf of the Bank have authority to give this guarantee under its delegated power.

Place:
Date:

(Signature of the Bank Officer)
Rubber stamp of the bank

Authorized Power of Attorney Number: Name
of the Bank officer: Designation:
..... Complete Postal address of
Bank:
..... Telephone
Numbers
Fax numbers

SECTION 7 (C) Letter of Authorization for attending Bid Opening Event.

(To be typed preferably on letter head of the company)

Subject: Authorization for attending Bid opening

I/ We Mr. /Ms. have submitted our bid for the tender no.
..... in respect of
..... (Item of work) which is due to open on
..... (date) in the Meeting Room, O/o
.....

We hereby authorize Mr. / Ms.& Mr. /Ms..... (alternative) whose
signatures are attested below, to attend the bid opening for the tender mentioned above on our behalf.
.....

Signature of the Representative

.....
Name of the Representative on behalf of the Bidder
..... Signature of
the alternative Representative

Signature of Bidder/ Officer authorized to sign

..... Name
of the alternative Representative Above

Signatures Attested

- Note** 1. Only one representative will be permitted to attend the Bid opening
2. Permission for entry to the hall where bids are opened may be refused in case authorization as prescribed
above is not received.

SECTION 7(D) - CLAUSE BY CLAUSE COMPLIANCE

ANNEXURE-‘A’

CLAUSE-BY-CLAUSE COMPLIANCE STATEMENT

Sl.No. (A)	Clauses (B)	Compliance (C)
1	All clauses of General Commercial Conditions of Contract	FULLY COMPLIED
2	All clauses of Special Commercial Condition of Contract	FULLY COMPLIED
3	All clauses of Technical Specification of Section-5 Part- A	FULLY COMPLIED

- The clause-by-clause compliance statement should be given as per clause 11.2 (c) of Section-4 Part-A and clause 30.1(c) of Section -4 Part-A.
- The bidder should mention ‘ FULLY COMPLIED’ in the column ‘ C’ above, otherwise a statement of deviation may be submitted as per clause 11.2 (c) of Section-4 Part-A and clause 30.1(c) of Section -4 Part-A.

SECTION 7(E) - NO DEVIATION STATEMENT

ANNEXURE-‘B’

NO DEVIATION STATEMENT

Sl.No. (A)	Clauses (B)	Compliance (C)
1	All clauses of General Commercial Conditions of Section-5 Part-A	NO DEVIATION
2	All clauses of Special Commercial Condition of Contract of Section-5 Part-B	NO DEVIATION
3	All clauses of Technical Specification of Section-3	NO DEVIATION

- The ‘No deviation statement’ should be given as per clause 11.2 (c) of section-4 Part-A and clause 30.1(c) of Section -4 Part-A.
- The bidder should mention ‘ NO DEVIATION’ in the column ‘ C’ above, otherwise a statement of deviation may be submitted as per clause 30.1 (c) of section-4 Part-A.

SECTION 7(F)- DRAFT AGREEMENT(Specimen)

The successful tenderer shall have to execute the following agreement.

The agreement made on this day of (month) ... (year) between M/s

Here in after called "The Contractor (which expression shall unless executed by or repugnant to the context, include its successors, heir, executors, administrative representative and assignee) of the one part & the Bharat Sanchar Nigam Limited herein after referred to as the BSNL, of other part.

Whereas the contractor has offered to enter into contract with the said Company for Maintenance and provisioning of BTS & site in area of BILASPUR_____BA/SSA on the terms and conditions herein contained in the tenderno_and the rates approved by the BSNL (copy of Rates annexed) have been duly accepted and where as the necessary security deposits have been furnished in accordance with the provisions of the tender document and whereas no interest will be claimed on the security deposits.

Now these presents witness and it is hereby agreed and declared by and between the parties to these presents as follows:

- 1) The contractor shall, during the period of this contract that is to say from.....to.....or completion of work for Rs... (in words) whichever is earlier or until this contract shall be determined by such noticeas is herein after mentioned, safely carryout, by means of labours, employed at his own expenses and by means of tolls, implements and equipment etc. to be supplied by him to his labour at his own expenses, all the maintenance works and other associated works as described in tender documents (annexed to the agreement), when The **CGMT CG Circle Raipur** or any other persons authorized by The **CGMT CG Circle Raipur** in that behalf require. It is understood by the contractor that the quantity of work mentioned on the schedule is likely to change as per actual requirements as demanded by exigencies of service.
- 2) The NIT (notice inviting tender), Bid documents (Qualifying and Financial), letter of intent, approved rates, annexed hereto and such other additional particulars, instructions, drawing, work orders as may be found requisite to be given during execution of the work shall be deemed and taken to be an integral part of the contract and shall also be deemed to be included in the expression "The Agreement "or "The Contract "wherever hereinused.
- 3) The contractor shall also supply the requisite number of manpower with means & as well as tools, appliances, machine, implements, etc. required for the proper execution of work within the time prescribed in the workorders.
- 4) The contractor hereby declares that nobody connected with or in the employment of the DOT / DTS/ BSNL is not/ shall not ever be admitted as partner in thecontract.
- 5) The contractor shall abide by the terms and conditions, rules, guidelines, construction practices, safety precautions etc. stipulated in the tender document including any correspondence between the contractor and the BSNL having bearing on execution of work and payments of work to be done under the contract.
- 6) If any clause as per BSNL rules is not included in this tender document will be applicable as per BSNL rules. In witness whereof the parties present have here into set their respective hands and seals the day and yearin_____

Above written:

Signed sealed & delivered by the above named Contractor in the presenceof Witness

:

1.

Signed &delivered on behalf of BSNL by Designated officer

Witness :

1.

SECTION- 8
Bidder's Profile & Questionnaire.

Tenderer / Bidder's Profile & Questionnaire (To be filled in and submitted by the bidder)

A) Tenderer's Profile

1. Name of the Individual/ Firm:

2. Present Correspondence Address
.....
.....

Telephone No. Mobile No. Email ID.....
FAX No.

3. Address of place of Works/
Manufacture
.....
Telephone No. Mobile No. Email ID.....

4. State the Type of Firm: Sole proprietor-ship/partnership firm/
(Tick the correct choice) : Private limited company.

5. Name of the sole proprietor/ partners/ Director(s) of Pvt. Ltd Co.:

S. No.	Name	Father's Name	Designation
1.			
2.			
3.			
4.			
5.			

6. Name of the person authorized to enter into and execute contract/agreement and the capacity in which he is authorized (in case of partnership/ private Ltd company):
.....
.....

7. Permanent Account No. :

8. Details of the Bidder's Bank for effecting e-payments:
(a) Beneficiary Bank Name:.....
(b) Beneficiary branch Name:.....
(c) IFSC code of beneficiary Branch.....
(d) Beneficiary account No.:.....
(e) Branch Serial No. (MICR No.):.....

9. Whether the firm has Office/ works (i.e. manufacture of the tendered item) in Delhi? If so state its Address

-

 10. GSTN Registration Number(s) of all units/business places of the bidder vide which he intends to execute the contract, if awarded.
 GSTN 1.....
 GSTN 2.....
 GSTN 3..... and so on

B) Questionnaire

1. Do you think any other detail/ material is required to complete the work specified in the specification? Yes/ No.
 1.1 If Yes, Give details

2. Do you think any other item of work need be included in tender form to complete the work specified in the specification? Yes/ No.
 2.1 If Yes, Give details

3. Kindly indicate the maximum Quantity of tendered material which you are capable of supplying within the scheduled delivery period.

Name of the tendered Item	Qty that can be supplied by the firm Within scheduled delivery period.

4. Suggestion for improvement of the tender document.

 Place.....
 Signature of contractor
 Date Name of Contractor

**SECTION-9 Part-A
BID FORM**

To

From,

<Complete address of the purchaser><complete address of the Bidder>

.....
.....

Bidder's Reference No:..... Dated.....

Ref: Your Tender Enquiry No.dated

1. Having examined the above mentioned tender enquiry document including amendment/ clarification/ addenda Nos. dated..... the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliverin conformity with the said drawings, conditions of contract and specifications for the sum shown in the schedule of prices attached herewith and made part of the financial Bid.I/ We the undersigned applying for the following clusters:

S. No.	Cluster Name	Applied/Not applied
1	Cluster-03(Bilaspur OA)	
2	Cluster-05 (Surguja OA)	
3	Cluster-06 (Raigarh OA)	

2. Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.
3. We agree to abide by this Bid for a period of **180 days** from the date fixed for Bid opening or for subsequently extended period, if any, agreed to by us. This bid shall remain binding upon us up to the aforesaid period.
4. We understand that you are not bound to accept the lowest or any bid, you may receive.
5. If our Bid is accepted, we will provide you with a performance guarantee from a Scheduled Bank for a sum @ 10% of the contract value for the due performance of the contract.
6. If our Bid is accepted, we undertake to complete delivery of all the items and perform all the services specified in the contract in accordance with the delivery schedule specified in the Section-2 (Tender Information).
7. Until a formal Purchase Order/Work order of Contract is prepared and executed, this Bid together with your written acceptance thereof in your notification of award shall constitute a binding contract between us.

Dated: day of.....20...

Signature

Witness

Name

.....

Signature.....

In the capacity of

.....

Name

Duly authorized to sign the bid for and on

Section-9 Part-B

Price Schedule/Financial Bid for Cluster-03 (Bilaspur OA)

BTS & Infrastructure Maintenance Outsourcing & Rigger Activities

Cluster No.	Cluster Name	Name of Service	Quantity (A)	Estimated Rate per site per month (Excluding GST) in Rs. (B)	Estimated Cost per Year (Excluding GST) in Rs. [(C)=(A)*(B)*12]	Quote by bidder	
						Above/ At Par/ Below (% in Numbers)	Above/ At Par/ Below (% in words)
03	Bilaspur OA	BTS & Infrastructure Maintenance for BSNL sites (Excluding IP sites)	0	2631	0		
		BTS Maintenance for BSNL sites (Excluding IP sites)	53	1619	10,29,684		
		BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)	154	2631	48,62,088		
		BTS Maintenance for Infrastructure Provider (IP) sites	69	1619	13,40,532		
		Rigger activity for Non-Outsourced mobile BTS sites	Refer Section 5 Part C Part -II	Refer Section 5 Part C Part - II	9,79,330		

Note: -

1. Rates are to be quoted in BOQ only.
2. L1 will be recommended by TEC/TNC based on the lowest percentage quoted with referene to estimated rate.
3. Bidder has to quote for all the services for a particular cluster otherwise the bid is liable to be rejected for that cluster.

Price Schedule/Financial
Bid for Cluster-05 (Surguja OA)

BTS & Infrastructure Maintenance Outsourcing & Rigger Activities

Cluster No.	Cluster Name	Name of Service	Quantity (A)	Estimated Rate per site per month (Excluding GST) in Rs. (B)	Estimated Annual Cost (Excluding GST) in Rs. [(C)=(A)*(B)*12]	Quote by bidder	
						Above/ At Par/ Below (% in Numbers)	Above/ At Par/ Below (% in words)
05	Surguja OA	BTS & Infrastructure Maintenance for BSNL sites (Excluding IP sites)	9	2631	2,84,148		
		BTS Maintenance for BSNL sites (Excluding IP sites)	30	1619	5,82,840		
		BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)	65	2631	20,52,180		
		BTS Maintenance for Infrastructure Provider (IP) sites	95	1619	18,45,660		
		Rigger activity for Non-Outsourced mobile BTS sites	Refer Section 5 Part C Part -II	Refer Section 5 Part C Part - II	7,68,570		

Note: -

- 1. Rates are to be quoted in BOQ only.**
- 2. L1 will be recommended by TEC/TNC based on the lowest percentage quoted with referene to estimated rate.**
- 3. Bidder has to quote for all the services for a particular cluster otherwise the bid is liable to be rejected for that cluster.**

Price Schedule/Financial Bid for

Cluster-06 (Raigarh OA)

BTS & Infrastructure Maintenance Outsourcing & Rigger Activities

Cluster No.	Cluster Name	Name of Service	Quantity (A)	Estimated Rate per site per month (Excluding GST) in Rs. (B)	Estimated Annual Cost (Excluding GST) in Rs. [(C)= (A)*(B)*12]	Quote by bidder	
						Above/ At Par/ Below (% in Numbers)	Above/ At Par/ Below (% in words)
06	Raigarh OA	BTS & Infrastructure Maintenance for BSNL sites (Excluding IP sites)	7	2631	2,21,004		
		BTS Maintenance for BSNL sites (Excluding IP sites)	18	1619	3,49,704		
		BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)	143	2631	45,14,796		
		BTS Maintenance for Infrastructure Provider (IP) sites	11	1619	2,13,708		
		Rigger activity for Non-Outsourced mobile BTS sites	Refer Section 5 Part C Part -II	Refer Section 5 Part C Part - II	3,73,175		

Note: -

1. Rates are to be quoted in BOQ only.
2. L1 will be recommended by TEC/TNC based on the lowest percentage quoted with referene to estimated rate.
3. Bidder has to quote for all the services for a particular cluster otherwise the bid is liable to be rejected for that cluster.

Section 10

Bidder information format under GST							
Bidder name	Registered Addresses under GST	State of registration/ Country	Type of Bidder(registered/Unregistered)	PAN	GSTIN/ ARN No. of Registered bidder	Status of Bidder(SEZ,EOU, DTA, government, local authority)	Provision of goods/services(Separate line item for each good/service)
1	2	3	4	5	6	7	8

HSN/SAC Code(Separate line item for each good/service) & GST rate applicable	GST Compliance Rating declaration received or not	Whether supply is exempt/ non taxable	Whether reverse charge scheme applicable (Yes or No)	Whether compounding scheme applicable (Yes or No)	Whether TDS applicable (Yes or No)	Contact detail of bidder (E mail addresses)	Contact detail of bidder(Phone number)
9	10	11	12	13	14	15	16

... Signature of the bidder

SECTION-XI
LIST OF BTS SITES TO BE MAINTAINED OF BILASPUR OA

BTS Maintenance for BSNL sites (Excluding IP sites)

SN	CID4-2	BTS Name	Site Type	Site Category	Site Geography	Site Status	BTS Make	SDCA Name	District Name
1	3327	Sakari Ex	BSNL	BTS Only	Urban	Wkg	Nokia	Bilaspur	Bilaspur
2	3303	Dagori Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Bilaspur	Bilaspur
3	3328	Sargaon Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Bilaspur	Bilaspur
4	3301	Baitalpur Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Bilaspur	Bilaspur
5	3352	Masturi Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
6	3404	Jairamnagar Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
7	3335	Baima Nagoi Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Bilaspur	Bilaspur
8	3334	Birkona Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Bilaspur	Bilaspur
9	3309	RATANPUR_ Ex	BSNL	BTS Only	Urban	Wkg	Nokia	Kota	KRGD
10	3313	Ganiyari Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Kota	KRGD
11	3310	Belghana_ Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Pendra	KRGD
12	3339	Tenganmuda(Karwa) Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Pendra	KRGD
13	3306	Khongsara Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Pendra	KRGD
14	3318	Khondri Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Pendra	GPM
15	3319	Kotmi Kalan Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Marwahi	GPM
16	3308	Pasan_ Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Pasan	GPM
17	3324	Marwahi_ Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Marwahi	GPM
18	3312	Bharridand Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Marwahi	GPM
19	3326	Patharia_ Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Mungeli	Mungeli
20	3371	Takhatpur_ Ex	BSNL	BTS Only	Urban	Wkg	Alcatel	Kota	Mungeli
21	3323	Lormi Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Lormi	Mungeli
22	3307	Pandaria Ex (Bilaspur SSA)	BSNL	BTS Only	Rural	Wkg	Nokia	Pandariya	Kawardha
23	3333	Pandatarai Ex (Bilaspur SSA)	BSNL	BTS Only	Rural	Wkg	Nokia	Pandariya	Kawardha
24	3424	Mulmula Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Naila	Naila
25	3421	Tarod Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Naila	Naila
26	3401	Baloda_ Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Naila	Naila
27	3410	Pamgarh Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Chandipara	Naila
28	3411	Rahod Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Chandipara	Naila
29	3475	Sheorinarayan_ Ex	BSNL	BTS Only	Urban	Wkg	Nokia	Chandipara	Naila
30	3408	Nawagarh (Janjgir)	BSNL	BTS Only	Rural	Wkg	Alcatel	Naila	Naila
31	3420	Saragaon_ Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Pondishankar	Naila
32	3426	Bamhndih Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Pondishankar	Naila
33	3413	Birra Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Pondishankar	Naila
34	3402	Baradwar Ex	BSNL	BTS Only	Rural	Wkg	Nokia	Sakti	Naila
35	3416	Jaijapur_ Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Sakti	Naila
36	3418	Malkharoda_ Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Dabhra	Naila

37	3447	Kirari Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Dabhra	Naila
38	3415	Dabhra_Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Dabhra	Naila
39	3414	Chandrapur Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Dabhra	Naila
40	3331	Pali_exch	BSNL	BTS Only	Rural	Wkg	Alcatel	Pali	Korba
41	3511	Chaitma Ex	BSNL	BTS Only	Rural	Wkg	Alcatel	Pali	Korba
42	3508	Pondiuproda	BSNL	BTS Only	Rural	Wkg	Nokia	Podi-Uproda	Korba
43	3501	Bango	BSNL	BTS Only	Rural	Wkg	Nokia	Podi-Uproda	Korba
44	3119	Pragati Nagar	BSNL	BTS Only	Urban	Wkg	Nokia	Katghora	Korba
45	3120	Bhilai bazar	BSNL	BTS Only	Rural	Wkg	Nokia	Katghora	Korba
46	3512	Chhuri	BSNL	BTS Only	Rural	Wkg	Nokia	Katghora	Korba
47	3507	Dhelwadih_exch.	BSNL	BTS Only	Rural	Wkg	Nokia	Katghora	Korba
48	3505	Chakabuda	BSNL	BTS Only	Rural	Wkg	Nokia	Katghora	Korba
49	3503	Bankimongra	BSNL	BTS Only	Urban	Wkg	Nokia	Katghora	Korba
50	3513	Lanco Power Plant	BSNL	BTS Only	Rural	Wkg	Nokia	Korba	Korba
51	3504	Barpali_exch	BSNL	BTS Only	Rural	Wkg	Nokia	Korba	Korba
52	3518	Kartala_exch	BSNL	BTS Only	Rural	Wkg	Alcatel	Korba	Korba
53	3509	Rajgamarg	BSNL	BTS Only	Rural	Wkg	Nokia	Korba	Korba

BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)

SN	CID4-2	BTS Name	Site Type	Site Category	Site Geography	Site Status	BTS Make	SDCA Name	District Name
1	3631	Nature City (Sagardeep)	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Bilaspur	Bilaspur
2	3036	Transport Nagar Sirggite	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Bilaspur	Bilaspur
3	3047	Sirgitti Industrial Area	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Bilaspur	Bilaspur
4	3039	Mehmand	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Bilaspur	Bilaspur
5	3618	Kormi	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bilaspur	Bilaspur
6	3025	Chouksey Engg. (Lal Khadan)	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Bilaspur	Bilaspur
7	3903	Lagra RTO Office	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bilaspur	Bilaspur
8	3630	Koyla Vihar	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bilaspur	Bilaspur
9	3906	River View Colony	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Bilaspur	Bilaspur
10	3612	Lokhandi	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bilaspur	Bilaspur
11	3910	Swarn Chamber Complex	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Bilaspur	Bilaspur
12	3099	High Court Colony	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Bilaspur	Bilaspur
13	3064	Gokuldham	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Bilaspur	Bilaspur
14	3640	Saida	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bilaspur	Bilaspur
15	3027	Sambalpuri	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bilaspur	Bilaspur
16	3348	Bartori	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bilaspur	Bilaspur
17	2630	Temri H/W	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bemetara	Bemetara
18	2546	Nandghat	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bemetara	Bemetara
19	3397	Silpahari	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
20	3423	Gataura	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
21	3353	Darri Ghat	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
22	3341	Lawar	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
23	3332	Limtara	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur

24	3614	Risda	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
25	3406	Malhar	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
26	3409	Pachpedi	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
27	3702	Bhatchaura	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
28	3405	Loharsi Son	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
29	3656	Jondhra	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
30	3338	Selar	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
31	3330	Sendri	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	Bilaspur
32	3615	Paunsara	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	Bilaspur
33	3329	Semertal	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	Bilaspur
34	3322	Lakhram	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	Bilaspur
35	3350	Singhri	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	KRGD
36	3311	Beltara	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	KRGD
37	3365	Rainpur	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	KRGD
38	3601	Tekar	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	KRGD
39	3305	Ghutku	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Kota	Bilaspur
40	3351	Lamer	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Kota	Bilaspur
41	3355	Bharni	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Kota	Bilaspur
42	3316	Kathakoni	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Bilaspur	Bilaspur
43	3340	Kargi Kalan	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	KRGD
44	3354	Sildaha	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	KRGD
45	3377	C V Raman, Kargiroad	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Kota	KRGD
46	3376	Kota (Kargi Road) Station Road	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Kota	KRGD
47	3623	Amali	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Kota	KRGD
48	3613	Nawagaon (Kota)	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Kota	KRGD
49	3369	SALKAROAD(Belghana)	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pendra	KRGD
50	3346	Kenda	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pendra	KRGD
51	3394	Pendra Purani basti	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Pendra	GPM
52	3801	Punam Colony Pendra	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Pendra	GPM
53	3368	Amarpur (Pendra)	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Pendra	GPM
54	3325	Menduka(Lalpur)	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pendra	GPM
55	3345	Andhiyarkhoh	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pendra	GPM
56	3686	Jaleshwar	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pendra	GPM
57	3603	Dobatiya	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pendra	GPM
58	3363	Bacharwar	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pendra	GPM
59	3367	Bagdi	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pendra	GPM
60	3396	Keowchi	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pendra	GPM
61	3664	Piparkhunti (Khondri)	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pendra	GPM
62	3362	Bhandi	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Marwahi	GPM
63	3359	Murmur	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Marwahi	GPM
64	3360	Nawagaon	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Marwahi	GPM
65	3699	Runga	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Marwahi	GPM
66	3336	Marwahi NBSNL	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Marwahi	GPM
67	3337	Seoni (Marwahi)	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Marwahi	GPM
68	3663	Danikundi	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Marwahi	GPM

69	3662	Ushar	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Marwahi	GPM
70	3610	Parasi	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Marwahi	GPM
71	3617	Bhatgaon	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Mungeli	Mungeli
72	3366	Hathani Kalan	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Mungeli	Mungeli
73	3314	Jarhagaon	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Mungeli	Mungeli
74	3609	Dashrangpur	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Mungeli	Mungeli
75	3372	Gurudwara Bhawan Takhatpur	NBSNL	BTS+Infra	Urban	Wkg	Alcatel	Kota	Mungeli
76	3604	Belpan	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	Mungeli
77	3349	Jaraundha	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	Mungeli
78	3621	Monchh	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	Mungeli
79	3973	Bhilai (Mungeli)	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Kota	Mungeli
80	3315	Kanteli	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Lormi	Mungeli
81	3342	Kodwawani	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Mungeli	Mungeli
82	3655	Jhaphal	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Lormi	Mungeli
83	3661	Bhimpuri	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Lormi	Mungeli
84	3317	Khami	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Lormi	Mungeli
85	3616	Dindori	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Lormi	Mungeli
86	3304	Fasterpur	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pandariya	Mungeli
87	3608	Pandaria II (Bilaspur SSA)	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pandariya	Kawardha
88	3320	Kukdur (Bilaspur SSA)	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pandariya	Kawardha
89	3321	Kunda (Bilaspur SSA)	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pandariya	Kawardha
90	3428	Konar	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Naila	Naila
91	3419	Nariyara	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Naila	Naila
92	3460	Taga	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Naila	Naila
93	3484	Tilai	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Naila	Naila
94	3449	Jawalpur	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Naila	Naila
95	3468	Bhainso	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Chandipara	Naila
96	3469	Meu	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Chandipara	Naila
97	3732	Donga-Kohroud	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Chandipara	Naila
98	3476	Aman Place_Sheorinarayan	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Chandipara	Naila
99	3435	Dhurkot	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Naila	Naila
100	3422	Semara	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Naila	Naila
101	3703	Dharashiv	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Naila	Naila
102	3452	Bhadesar	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Naila	Naila
103	3213	Seoni(Champa)	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pondishankar	Naila
104	3528	Umralli	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pondishankar	Naila
105	3486	Pharasawani	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pondishankar	Naila
106	3417	Kachanda_NBSNL	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Sakti	Naila
107	3467	Jarwe	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Sakti	Naila
108	3704	Afrid	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Pondishankar	Naila
109	3463	Baradwar NBSNL (Baradwar New)	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Sakti	Naila
110	3446	Baradwar basti	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Sakti	Naila
111	3427	Adbhar	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Sakti	Naila
112	3437	Kotmi	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Dabhra	Naila

113	3535	Chepa	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pali	Korba
114	3525	Batra	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pali	Korba
115	3517	Nunera	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pali	Korba
116	3519	Madanpur USO	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Pali	Korba
117	3534	Amaldiha	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Katghora	Korba
118	3523	Rawa	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Katghora	Korba
119	3515	Jatga	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Katghora	Korba
120	3514	Aitmanagar	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Podi-Uproda	Korba
121	3530	Lepara	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Podi-Uproda	Korba
122	3531	Patha	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Podi-Uproda	Korba
123	3956	Madai	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Podi-Uproda	Korba
124	3955	Korbi	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Podi-Uproda	Korba
125	3532	Jalke	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Podi-Uproda	Korba
126	3146	Kendai	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Podi-Uproda	Korba
127	3552	Morga	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Podi-Uproda	Korba
128	3526	Khirati	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Podi-Uproda	Korba
129	3961	Satrenga	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Korba	Korba
130	3156	Batari Aryan	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Katghora	Korba
131	3539	Hardi bazar	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Katghora	Korba
132	3516	Utarda	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Katghora	Korba
133	3506	Deepika	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
134	3117	Shakti Nagar	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
135	3139	Garud Nagar	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
136	3136	DGM SECL Office Gevera	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
137	3135	Nehru Shatabdi Hospital Gevra	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
138	3114	Gevra project	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
139	3972	Gevra Mines-1	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
140	3954	Gevra Mines-2	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
141	3510	Singhali	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Katghora	Korba
142	3502	Bagdeva	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Katghora	Korba
143	3536	Jawali	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Katghora	Korba
144	3130	Balgimines	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Katghora	Korba
145	3129	Surakachhar	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
146	3115	Kusmunda NBSNL	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
147	3145	CGM off SECL Kusmunda	NBSNL	BTS+Infra	Urban	Wkg	Nokia	Katghora	Korba
148	3953	GEVRA BASTI	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Katghora	Korba
149	3646	Tilkeja	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Korba	Korba
150	3521	Barpali(K)	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Korba	Korba
151	3522	Nawapara	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Korba	Korba
152	3524	Korkoma	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Korba	Korba
153	3169	Kusmunda Mines	NBSNL	BTS+Infra	Rural	Wkg	Nokia	Katghora	Korba
154	3170	KOR002_Saraipali_Micro	NBSNL	BTS+Infra	Rural	Wkg	Alcatel	Korba	Korba

BTS Maintenance for Infrastructure Provider (IP) sites

SN	CID4-2	BTS Name	Site Type	Site Category	Site Geography	Site Status	BTS Make	SDCA Name	District Name
1	3904	Koni-2 (Near Agriculture College)	IP	BTS Only	Urban	Wkg	Nokia	Bilaspur	Bilaspur
2	3715	Chilhathi	IP	BTS Only	Rural	Wkg	Nokia	Bilaspur	Bilaspur
3	3091	Chhatauna	IP	BTS Only	Rural	Wkg	Nokia	Bilaspur	Bilaspur
4	3093	Rama Valley	IP	BTS Only	Urban	Wkg	Nokia	Bilaspur	Bilaspur
5	3089	Asha Puram Colony	IP	BTS Only	Urban	Wkg	Nokia	Bilaspur	Bilaspur
6	3911	Bhoj-Puri	IP	BTS Only	Rural	Wkg	Nokia	Bilaspur	Bilaspur
7	3690	Masturi-JRNgr Chk	IP	BTS Only	Rural	Wkg	Alcatel	Bilaspur	Bilaspur
8	3634	Ratanpur-2	IP	BTS Only	Urban	Wkg	Nokia	Kota	KRGD
9	3633	Ratanpur (Bhim Chowk)	IP	BTS Only	Urban	Wkg	Nokia	Kota	KRGD
10	3650	Bharari (Power Grid)	IP	BTS Only	Rural	Wkg	Alcatel	Kota	KRGD
11	3698	Ranigaon	IP	BTS Only	Rural	Wkg	Alcatel	Kota	KRGD
12	3659	Khera	IP	BTS Only	Rural	Wkg	Alcatel	Kota	KRGD
13	3629	Kota-2	IP	BTS Only	Urban	Wkg	Nokia	Kota	KRGD
14	3635	Sadwani	IP	BTS Only	Rural	Wkg	Nokia	Pendra	GPM
15	3626	Dhanauli	IP	BTS Only	Rural	Wkg	Nokia	Pendra	GPM
16	3638	Vidya Ngr Pendra	IP	BTS Only	Urban	Wkg	Nokia	Pendra	GPM
17	3344	Katra (Beljhiriya)	IP	BTS Only	Rural	Wkg	Alcatel	Marwahi	GPM
18	3654	Dhanpur (Jauthela)	IP	BTS Only	Rural	Wkg	Alcatel	Marwahi	GPM
19	3660	Kodgar	IP	BTS Only	Rural	Wkg	Alcatel	Pendra	GPM
20	3685	Gidha	IP	BTS Only	Rural	Wkg	Nokia	Mungeli	Mungeli
21	3385	Bundeli	IP	BTS Only	Rural	Wkg	Nokia	Mungeli	Mungeli
22	3679	Siltara	IP	BTS Only	Rural	Wkg	Alcatel	Mungeli	Mungeli
23	3681	Maniyari (Takhatpur)	IP	BTS Only	Urban	Wkg	Alcatel	Kota	Mungeli
24	3680	Boipara/Dewarhat	IP	BTS Only	Rural	Wkg	Alcatel	Lormi	Mungeli
25	3683	Sardha	IP	BTS Only	Rural	Wkg	Alcatel	Lormi	Mungeli
26	3682	Naurangpur	IP	BTS Only	Rural	Wkg	Alcatel	Lormi	Mungeli
27	3693	Dabo_Sitalkunda	IP	BTS Only	Rural	Wkg	Alcatel	Pandariya	Mungeli
28	3751	KSK Mahanadi (SEPCO)	IP	BTS Only	Rural	Wkg	Alcatel	Naila	Naila
29	3711	Baloda Market	IP	BTS Only	Rural	Wkg	Nokia	Naila	Naila
30	3712	Baloda-2	IP	BTS Only	Rural	Wkg	Nokia	Naila	Naila
31	3757	Pondidalha	IP	BTS Only	Rural	Wkg	Alcatel	Naila	Naila
32	3750	KotmiSonar	IP	BTS Only	Rural	Wkg	Alcatel	Naila	Naila
33	3717	Kapan	IP	BTS Only	Rural	Wkg	Nokia	Naila	Naila
34	3752	Bachhoud	IP	BTS Only	Rural	Wkg	Alcatel	Naila	Naila
35	3753	Dongri	IP	BTS Only	Rural	Wkg	Alcatel	Naila	Naila
36	3714	Chaitanya Collge Mod	IP	BTS Only	Rural	Wkg	Nokia	Chandipara	Naila
37	3722	Pamgarh-Bilaspur Rd	IP	BTS Only	Rural	Wkg	Nokia	Chandipara	Naila
38	3728	Sheorinarayan-2	IP	BTS Only	Urban	Wkg	Nokia	Chandipara	Naila
39	3442	Deori(Essar Site)	IP	BTS Only	Rural	Wkg	Nokia	Pondishankar	Naila
40	3756	Kera	IP	BTS Only	Rural	Wkg	Alcatel	Pondishankar	Naila
41	3641	Dumarpara	IP	BTS Only	Rural	Wkg	Nokia	Sakti	Naila

42	3726	Sarhar	IP	BTS Only	Rural	Wkg	Nokia	Sakti	Naila
43	3723	Sakreli	IP	BTS Only	Rural	Wkg	Nokia	Sakti	Naila
44	3222	Jetha	IP	BTS Only	Rural	Wkg	Nokia	Sakti	Naila
45	3754	Jaijampur-2	IP	BTS Only	Rural	Wkg	Alcatel	Sakti	Naila
46	3431	Odeker(GTL Site)	IP	BTS Only	Rural	Wkg	Alcatel	Sakti	Naila
47	3759	Thathari	IP	BTS Only	Rural	Wkg	Alcatel	Sakti	Naila
48	3755	Kachhanda_IP	IP	BTS Only	Rural	Wkg	Alcatel	Sakti	Naila
49	3457	Dabhra NBSNL	IP	BTS Only	Rural	Wkg	Alcatel	Dabhra	Naila
50	3429	Sakrali TVS IP	IP	BTS Only	Rural	Wkg	Alcatel	Dabhra	Naila
51	3758	Sapos	IP	BTS Only	Rural	Wkg	Alcatel	Dabhra	Naila
52	3576	Binjhra/Kowatal	IP	BTS Only	Rural	Wkg	Alcatel	Katghora	Korba
53	3585	Sutarra	IP	BTS Only	Rural	Wkg	Nokia	Katghora	Korba
54	3551	Dadar(Sarakpara)	IP	BTS Only	Rural	Wkg	Nokia	Podi-Uproda	Korba
55	3586	Gursiya	IP	BTS Only	Rural	Wkg	Nokia	Podi-Uproda	Korba
56	3121	Chotiya_IP	IP	BTS Only	Rural	Wkg	Nokia	Podi-Uproda	Korba
57	3540	Jhinpuri	IP	BTS Only	Rural	Wkg	Nokia	Podi-Uproda	Korba
58	3577	Boida	IP	BTS Only	Rural	Wkg	Alcatel	Katghora	Korba
59	3545	Ratija	IP	BTS Only	Rural	Wkg	Nokia	Katghora	Korba
60	3546	Renki	IP	BTS Only	Rural	Wkg	Nokia	Katghora	Korba
61	3143	Khatrimal Korba IP Ascend	IP	BTS Only	Rural	Wkg	Nokia	Korba	Korba
62	3583	Pantora	IP	BTS Only	Rural	Wkg	Nokia	Korba	Korba
63	3142	BANKI MOGRA IP ATC	IP	BTS Only	Urban	Wkg	Nokia	Katghora	Korba
64	3575	Bhainsma	IP	BTS Only	Rural	Wkg	Nokia	Korba	Korba
65	3543	Kothari	IP	BTS Only	Rural	Wkg	Nokia	Korba	Korba
66	3602	Non birra	IP	BTS Only	Rural	Wkg	Alcatel	Korba	Korba
67	3578	Chachiya	IP	BTS Only	Rural	Wkg	Alcatel	Korba	Korba
68	3579	Madanpur(kartala)	IP	BTS Only	Rural	Wkg	Alcatel	Korba	Korba
69	3581	Ompur(Rajgamar)	IP	BTS Only	Rural	Wkg	Nokia	Korba	Korba

RIGGER FOR NON-OUTSOURCED SITES

RIGGER FOR NON-OUTSOURCED SITES							
1	BSNL-CG-3701	Naila	BSNL	2G	Kuthur	Janjgir - Champa	Naila
2	BSNL-CG-3403	Naila	BSNL	2G+3G	Gondadih (Lafarge)	Janjgir - Champa	Naila
3	BSNL-CG-3553	Korba	BSNL	2G+3G	Lemroo	Korba	Korba
4	BSNL-CG-3040	Bilaspur City	Non BSNL	2G+4G	Chatidih(Sabji Mandi)	Bilaspur	Bilaspur
5	BSNL-CG-3061	Bilaspur City	Non BSNL	2G+4G	Bil-Collectrate (SP Office)	Bilaspur	Bilaspur
6	BSNL-CG-3472	Bilaspur Rural	BSNL	2G+4G	Seepat_RSU	Bilaspur	Bilaspur
7	BSNL-CG-3048	Bilaspur City	Non BSNL	2G+4G	Mahima Vihar	Bilaspur	Bilaspur
8	BSNL-CG-3052	Bilaspur City	IP	2G+4G	Devendra Nagar (Jabra para) IP GTL	Bilaspur	Bilaspur
9	BSNL-CG-3572	Korba	BSNL	2G+4G	Katghora MBM Exch	Korba	Katghora
10	BSNL-CG-3412	Bilaspur Rural	BSNL	2G+3G	Khamaria	Bilaspur	Bilaspur
11	BSNL-CG-3131	Korba	BSNL	2G+4G	Kharmora	Korba	Korba
12	BSNL-CG-3708	Korba	IP	2G+4G	Balco (Risda) IP Ascend	Korba	Korba
13	BSNL-CG-3073	Bilaspur City	IP	2G+4G	Old Sarkanda (Lodhipara)	Bilaspur	Bilaspur

14	BSNL-CG-3721	Naila	IP	2G+3G	Khokhra Chk (New B/S)	Janjgir - Champa	Janjgir
15	BSNL-CG-3720	Naila	IP	2G	Khokhra	Janjgir - Champa	Janjgir
16	BSNL-CG-3163	Korba	IP	2G+4G	Korba Rly Stn	Korba	Korba
17	BSNL-CG-3706	Korba	IP	2G+4G	RISDI CHOWK IP ASCEND	Korba	Korba
18	BSNL-CG-3520	Korba	Non BSNL	2G+4G	TP Nagar Chowk	Korba	Korba
19	BSNL-CG-3628	Bilaspur Rural	IP	2G+4G	Hardikala_Tona	Bilaspur	Bilaspur
20	BSNL-CG-3643	Korba	Non BSNL	2G+4G	Collectorate Korba	Korba	Korba
21	BSNL-CG-3140	Korba	IP	2G+4G	INDUSTRIAL AREA KORBA IP ATC	Korba	Korba
22	BSNL-CG-3395	Pendra	BSNL	2G+4G	Pendra_exch	Gaurela-Pendra- Marwahi	Pendra
23	BSNL-CG-3101	Korba	BSNL	2G+4G	Korba MP NagarExch.	Korba	Korba
24	BSNL-CG-3389	Mungeli	Non BSNL	2G+4G	Collectorate Mungeli	Mungeli	Mungeli
25	BSNL-CG-3018	Bilaspur City	BSNL	2G+4G	Gandhiputra(Gangashree Talkies)	Bilaspur	Bilaspur
26	BSNL-CG-3705	Naila	Non BSNL	2G	Kataud	Janjgir - Champa	Chandipara
27	BSNL-CG-3128	Korba	Non BSNL	2G+4G	Mudapar Sharda Vihar	Korba	Korba
28	BSNL-CG-3647	Bilaspur Rural	Non BSNL	2G	Nargoda	Bilaspur	Bilaspur
29	BSNL-CG-3014	Bilaspur City	IP	2G+4G	Tifra	Bilaspur	Bilaspur
30	BSNL-CG-3031	Bilaspur City	Non BSNL	2G+4G	Indira Vihar	Bilaspur	Bilaspur
31	BSNL-CG-3079	Bilaspur City	IP	4G	Vyapar Vihar – 2	Bilaspur	Bilaspur
32	BSNL-CG-3033	Bilaspur City	IP	2G+4G	Ramagreen City (Songanga Colony)	Bilaspur	Bilaspur
33	BSNL-CG-3201	Naila	BSNL	2G+3G	Champa_Exch.	Janjgir - Champa	Pondishankar
34	BSNL-CG-3573	Korba	Non BSNL	2G+4G	Katghora_NBSNL	Korba	Katghora
35	BSNL-CG-3168	Korba	IP	2G+4G	Sitamani	Korba	Korba
36	BSNL-CG-3123	Korba	BSNL	2G+4G	Becon School	Korba	Korba
37	BSNL-CG-3622	Bilaspur Rural	Non BSNL	2G+4G	Seepat_Comm-Hall	Bilaspur	Bilaspur
38	BSNL-CG-3004	Bilaspur City	BSNL	2G+4G	City Exch	Bilaspur	Bilaspur
39	BSNL-CG-3960	Korba	Non BSNL	2G+4G	Saraswati vihar NTPC	Korba	Korba
40	BSNL-CG-3070	Bilaspur City	IP	2G+4G	Kasimpara	Bilaspur	Bilaspur
41	BSNL-CG-3015	Bilaspur City	Non BSNL	2G+4G	Agya Nagar	Bilaspur	Bilaspur
42	BSNL-CG-3639	Bilaspur Rural	IP	2G+4G	Dagori-2	Bilaspur	Bilaspur
43	BSNL-CG-3076	Bilaspur City	IP	4G	Sindhi Colony (Jarhabhata)	Bilaspur	Bilaspur
44	BSNL-CG-3026	Bilaspur City	Non BSNL	2G	Muktidham Sarkanda	Bilaspur	Bilaspur
45	BSNL-CG-3051	Bilaspur City	IP	2G+4G	Kashyap Colony IP Tower Vision	Bilaspur	Bilaspur
46	BSNL-CG-3127	Korba	Non BSNL	2G+4G	Krishna vihar	Korba	Korba
47	BSNL-CG-3482	Naila	Non BSNL	2G+3G	Sakti_NBSNL(Quersi House)	Janjgir - Champa	Sakti
48	BSNL-CG-3443	Naila	IP	2G	Khokhsa(Essar Site)	Janjgir - Champa	Naila
49	BSNL-CG-3022	Bilaspur City	IP	2G+4G	Gurunanak Chowk	Bilaspur	Bilaspur
50	BSNL-CG-3050	Bilaspur City	IP	2G+4G	Sarkanda Camp IP (Ashok Nagar)	Bilaspur	Bilaspur
51	BSNL-CG-3561	Korba	BSNL	2G+4G	Manikpur Mines	Korba	Korba
52	BSNL-CG-3067	Bilaspur City	IP	2G+4G	RK Ngr -2 (Devika Vihar)	Bilaspur	Bilaspur
53	BSNL-CG-3113	Korba	Non BSNL	2G+4G	SWITCHYARD NTPC	Korba	Korba
54	BSNL-CG-3915	Bilaspur City	IP	2G+4G	Railway_Loco_Colony	Bilaspur	Bilaspur

55	BSNL-CG-3207	Naila	Non BSNL	2G+3G	Champa_BaniSTDPCO	Janjgir - Champa	Pondishankar
56	BSNL-CG-3399	Pendra	BSNL	2G+4G	Gorakhpur road	Gaurela-Pendra-Marwahi	Pendra
57	BSNL-CG-3138	Korba	BSNL	2G+4G	Poundibahar	Korba	Korba
58	BSNL-CG-3473	Bilaspur Rural	BSNL	2G+4G	Seepat_CISF	Bilaspur	Bilaspur
59	BSNL-CG-3724	Naila	IP	3G	Sakti -2	Janjgir - Champa	Sakti
60	BSNL-CG-3164	Korba	IP	4G	M P NAGAR PHASE 2	Korba	Korba
61	BSNL-CG-3625	Bilaspur Rural	IP	2G+4G	Bilha-2	Bilaspur	Bilaspur
62	BSNL-CG-3611	Bilaspur City	Non BSNL	2G+4G	Deorikhurd 2	Bilaspur	Bilaspur
63	BSNL-CG-3219	Naila	IP	2G	Birgahni	Janjgir - Champa	Pondishankar
64	BSNL-CG-3541	Korba	IP	4G	Katghora Tehsil Office	Korba	Katghora
65	BSNL-CG-3111	Korba	BSNL	2G+4G	C.S.E.B.Colony	Korba	Korba
66	BSNL-CG-3709	Naila	IP	3G	Akaltara Exch Rd	Janjgir - Champa	Naila
67	BSNL-CG-3644	Bilaspur Rural	Non BSNL	4G	Seepat_D-Type	Bilaspur	Bilaspur
68	BSNL-CG-3208	Naila	IP	2G+3G	Netaji chowk	Janjgir - Champa	Naila
69	BSNL-CG-3533	Korba	Non BSNL	2G+4G	ITI Rampur	Korba	Korba
70	BSNL-CG-3072	Bilaspur City	IP	2G+4G	Nehru Nagar Rd	Bilaspur	Bilaspur
71	BSNL-CG-3215	Naila	Non BSNL	3G	Birgani Chowk Champa	Janjgir - Champa	Pondishankar
72	BSNL-CG-3158	Korba	IP	2G+4G	15 BLOCK	Korba	Korba
73	BSNL-CG-3058	Bilaspur City	IP	4G	Apollo Road	Bilaspur	Bilaspur
74	BSNL-CG-3028	Bilaspur City	Non BSNL	2G+4G	Ameri Road	Bilaspur	Bilaspur
75	BSNL-CG-3125	Korba	BSNL	2G+4G	P&T Colony Kosabadi	Korba	Korba
76	BSNL-CG-3041	Bilaspur City	Non BSNL	2G+4G	Ganga Nagar	Bilaspur	Bilaspur
77	BSNL-CG-3211	Naila	Non BSNL	2G+3G	Jagdalla Chk/Shankar Ngr	Janjgir - Champa	Pondishankar
78	BSNL-CG-3035	Bilaspur City	Non BSNL	2G+4G	Kila Ward	Bilaspur	Bilaspur
79	BSNL-CG-3391	Pendra	IP	2G+4G	Pendraroad_Exch. (IP)	Gaurela-Pendra-Marwahi	Pendra
80	BSNL-CG-3056	Bilaspur Rural	Non BSNL	2G+4G	Seepat_Silo-Bldg	Bilaspur	Bilaspur
81	BSNL-CG-3398	Pendra	Non BSNL	2G+4G	Pendra Rd Bus Stand	Gaurela-Pendra-Marwahi	Pendra
82	BSNL-CG-3112	Korba	BSNL	2G+4G	NTPC Korba	Korba	Korba
83	BSNL-CG-3713	Naila	IP	2G	Banari	Janjgir - Champa	Janjgir
84	BSNL-CG-3063	Bilaspur City	IP	2G+4G	Deen Dayal Parisar	Bilaspur	Bilaspur
85	BSNL-CG-3010	Bilaspur City	Non BSNL	2G+4G	Sarkanda_SECL	Bilaspur	Bilaspur
86	BSNL-CG-3068	Bilaspur City	IP	2G+4G	Indira Colony (Tar bahar)	Bilaspur	Bilaspur
87	BSNL-CG-3141	Korba	IP	2G+4G	Rungara Korba IP Ascend	Korba	Korba
88	BSNL-CG-3162	Korba	IP	2G+4G	DARRI 2	Korba	Korba
89	BSNL-CG-3542	Korba	IP	2G+4G	Katghora-2	Korba	Katghora
90	BSNL-CG-3223	Naila	IP	2G+3G	Baloda Rly Crossing	Janjgir - Champa	Naila
91	BSNL-CG-3001	Bilaspur City	BSNL	2G+4G	DTO	Bilaspur	Bilaspur
92	BSNL-CG-3167	Korba	IP	4G	Sarbamangla Rd	Korba	Korba
93	BSNL-CG-3571	Korba	Non BSNL	2G+4G	Katghora MW Exch.	Korba	Katghora
94	BSNL-CG-3005	Bilaspur City	BSNL	2G+4G	Deorikhurd(Hemunagar Exh+BTS)	Bilaspur	Bilaspur
95	BSNL-CG-3205	Naila	BSNL	2G+3G	Naila_Exchange	Janjgir - Champa	Naila
96	BSNL-CG-3632	Bilaspur Rural	Non BSNL	2G+4G	Rahangi	Bilaspur	Bilaspur

97	BSNL-CG-3094	Bilaspur Rural	IP	2G+4G	Bilha_Block-Office	Bilaspur	Bilaspur
98	BSNL-CG-3619	Bilaspur City	BSNL	2G+4G	Bodri High Court	Bilaspur	Bilaspur
99	BSNL-CG-3642	Naila	IP	2G+3G	Harethi	Janjgir - Champa	Sakti
100	BSNL-CG-3448	Naila	NBSNL	2G+3G	Hasaud	Janjgir - Champa	Pondishankar
101	BSNL-CG-3107	Korba	BSNL	2G+4G	SECL Exch	Korba	Korba
102	BSNL-CG-3006	Bilaspur City	BSNL	2G+4G	Koni	Bilaspur	Bilaspur
103	BSNL-CG-3090	Bilaspur Rural	IP	2G+4G	Bilha_Mod	Bilaspur	Bilaspur
104	BSNL-CG-3043	Bilaspur City	Non BSNL	2G+4G	Tarbahar Chowk	Bilaspur	Bilaspur
105	BSNL-CG-3038	Bilaspur City	Non BSNL	2G+4G	Narmada nagar	Bilaspur	Bilaspur
106	BSNL-CG-3132	Korba	Non BSNL	2G+4G	Lalooram colony korba	Korba	Korba
107	BSNL-CG-3087	Bilaspur City	Non BSNL	2G+4G	Kududand	Bilaspur	Bilaspur
108	BSNL-CG-3221	Naila	IP	2G+3G	Nahariya Baba Rd	Janjgir - Champa	Naila
109	BSNL-CG-3116	Korba	BSNL	2G+4G	CSEB Junior Club	Korba	Korba
110	BSNL-CG-3069	Bilaspur City	IP	4G	Jagmal Chowk	Bilaspur	Bilaspur
111	BSNL-CG-3055	Bilaspur City	IP	2G+4G	Kanchan Vihar Sirgitti IP ATC	Bilaspur	Bilaspur
112	BSNL-CG-3077	Bilaspur City	IP	4G	Torwa -2 (Dhan Mandi Rd)	Bilaspur	Bilaspur
113	BSNL-CG-3212	Naila	Non BSNL	2G+3G	Kosmanda	Janjgir - Champa	Pondishankar
114	BSNL-CG-3003	Bilaspur Rural	BSNL	2G+4G	Chakarbhata	Bilaspur	Bilaspur
115	BSNL-CG-3202	Naila	BSNL	2G+3G	Champa_SadarBazar	Janjgir - Champa	Pondishankar
116	BSNL-CG-3144	Korba	IP	2G+4G	SECTOR-3 BALCO IP Ascend	Korba	Korba
117	BSNL-CG-3060	Bilaspur City	IP	4G	Bajrang Chowk (RK Ngr)	Bilaspur	Bilaspur
118	BSNL-CG-3471	Bilaspur Rural	BSNL	2G+4G	Seepat_Old-Admin	Bilaspur	Bilaspur
119	BSNL-CG-3547	Korba	IP	2G	Songudha Korba	Korba	Korba
120	BSNL-CG-3375	Bilaspur Rural	BSNL	2G+3G	Kargiroad_Exch	Bilaspur	Kota
121	BSNL-CG-3214	Naila	IP	2G	Seoni(Naila)_TVS_Site	Janjgir - Champa	Naila
122	BSNL-CG-3381	Mungeli	BSNL	2G+4G	Mungeli_Exch	Mungeli	Mungeli
123	BSNL-CG-3392	Pendra	BSNL	2G+4G	Pendra road (R/W Station)	Gaurela-Pendra- Marwahi	Pendra
124	BSNL-CG-3102	Korba	BSNL	2G+4G	Jamnipalli Exch.	Korba	Korba
125	BSNL-CG-3065	Bilaspur City	IP	2G+4G	Green Park Colony (Agyey Ngr)	Bilaspur	Bilaspur
126	BSNL-CG-3078	Bilaspur City	IP	2G+4G	Vasant Vihar (Near Stadium)	Bilaspur	Bilaspur
127	BSNL-CG-3122	Korba	Non BSNL	2G+4G	Korba East	Korba	Korba
128	BSNL-CG-3105	Korba	Non BSNL	2G+4G	Old Bus Stand Korba	Korba	Korba
129	BSNL-CG-3382	Mungeli	Non BSNL	2G+4G	Mungeli Sadar Bazar	Mungeli	Mungeli
130	BSNL-CG-6530	Naila	Non BSNL	2G+3G	Govt. Polytech Naila	Janjgir - Champa	Naila
131	BSNL-CG-3218	Naila	IP	3G	Khokhsa Chowk	Janjgir - Champa	Naila
132	BSNL-CG-3393	Pendra	Non BSNL	2G+4G	Amarkantak Road (Mellinium Dabha)	Gaurela-Pendra- Marwahi	Pendra
133	BSNL-CG-3024	Bilaspur City	Non BSNL	2G+4G	Tarbhhar (Railway station)	Bilaspur	Bilaspur
134	BSNL-CG-3086	Bilaspur City	IP	4G	36 City Mall (Monicha Clny)	Bilaspur	Bilaspur
135	BSNL-CG-3203	Naila	BSNL	2G+3G	Akaltara_Exchange	Janjgir - Champa	Naila
136	BSNL-CG-3637	Bilaspur Rural	IP	2G	Seepat_Village	Bilaspur	Bilaspur
137	BSNL-CG-3383	Mungeli	NBSNL	2G+4G	Mungeli Dr. John Clinic	Mungeli	Mungeli

138	BSNL-CG-3620	Bilaspur Rural	Non BSNL	2G+4G	Pandhi	Bilaspur	Bilaspur
139	BSNL-CG-3032	Bilaspur City	Non BSNL	2G+4G	Radika Vihar	Bilaspur	Bilaspur
140	BSNL-CG-3046	Bilaspur City	Non BSNL	2G+4G	Minocha colony	Bilaspur	Bilaspur
141	BSNL-CG-3042	Bilaspur City	Non BSNL	2G+4G	Magarpara	Bilaspur	Bilaspur
142	BSNL-CG-3037	Bilaspur City	Non BSNL	2G+4G	Bannak Chowk	Bilaspur	Bilaspur
143	BSNL-CG-3074	Bilaspur City	IP	4G	Punjabi Colony Dayalband	Bilaspur	Bilaspur
144	BSNL-CG-3016	Bilaspur City	Non BSNL	2G+4G	Masanganj	Bilaspur	Bilaspur
145	BSNL-CG-3071	Bilaspur Rural	Non BSNL	2G+4G	Nagpura	Bilaspur	Bilaspur
146	BSNL-CG-3483	Naila	Non BSNL	2G+3G	Sakti R/W Station	Janjgir - Champa	Sakti
147	BSNL-CG-3007	Bilaspur City	Non BSNL	2G+4G	Mungeli Naka,Bilaspur	Bilaspur	Bilaspur
148	BSNL-CG-3106	Korba	BSNL	2G+4G	Gevera Exch.	Korba	Katghora
149	BSNL-CG-3126	Korba	Non BSNL	2G+4G	NTPC(IT Section)	Korba	Korba
150	BSNL-CG-3216	Naila	Non BSNL	2G+3G	Korba Chowk	Janjgir - Champa	Pondishankar
151	BSNL-CG-3020	Bilaspur Rural	BSNL	2G+4G	Hirri_Mines	Bilaspur	Bilaspur
152	BSNL-CG-3054	Bilaspur City	IP	2G+4G	Khamtarai_Bilaspur IP ATC	Bilaspur	Bilaspur
153	BSNL-CG-3080	Bilaspur City	IP	4G	Vyapar Vihar (Nagdona Colony)	Bilaspur	Bilaspur
154	BSNL-CG-3023	Bilaspur City	IP	2G+4G	Mopka	Bilaspur	Bilaspur
155	BSNL-CG-3438	Naila	NBSNL	2G	Chhapora	Janjgir - Champa	Dabhra
156	BSNL-CG-3109	Korba	BSNL	2G+4G	Darri Exchange	Korba	Korba
157	BSNL-CG-3049	Bilaspur City	Non BSNL	4G	Hemu nagar	Bilaspur	Bilaspur
158	BSNL-CG-3445	Naila	Non BSNL	2G+3G	Purani Basti Naila	Janjgir - Champa	Naila
159	BSNL-CG-3053	Bilaspur Rural	IP	4G	Chakarbhata-2	Bilaspur	Bilaspur
160	BSNL-CG-3684	Bilaspur Rural	IP	2G+4G	Kaudiya	Bilaspur	Bilaspur
161	BSNL-CG-3008	Bilaspur City	BSNL	2G+4G	RK Nagar	Bilaspur	Bilaspur
162	BSNL-CG-3044	Bilaspur City	Non BSNL	2G+4G	Dabripara	Bilaspur	Bilaspur
163	BSNL-CG-3012	Bilaspur City	IP	2G+4G	Vyapar Vihar Exch	Bilaspur	Bilaspur
164	BSNL-CG-3209	Naila	BSNL	2G+3G	Kera road	Janjgir - Champa	Naila
165	BSNL-CG-3204	Naila	Non BSNL	2G+3G	Akltara_NBSNL(Station Road)	Janjgir - Champa	Naila
166	BSNL-CG-3210	Naila	Non BSNL	2G+3G	Prakash Industries	Janjgir - Champa	Pondishankar
167	BSNL-CG-3384	Mungeli	NBSNL	2G+4G	Mungeli Pandaria Road	Mungeli	Mungeli
168	BSNL-CG-3021	Bilaspur City	Non BSNL	2G+4G	Warehouse road	Bilaspur	Bilaspur
169	BSNL-CG-3059	Bilaspur City	IP	2G+4G	Azad Chowk	Bilaspur	Bilaspur
170	BSNL-CG-3133	Korba	BSNL	2G+4G	Power house Rd korba	Korba	Korba
171	BSNL-CG-3302	Bilaspur Rural	BSNL	2G+4G	Bilha_Exch	Bilaspur	Bilaspur
172	BSNL-CG-3108	Korba	BSNL	2G+4G	T.P. Nagar Exch.	Korba	Korba
173	BSNL-CG-3009	Bilaspur City	Non BSNL	2G+4G	Gole Bazar	Bilaspur	Bilaspur
174	BSNL-CG-3481	Naila	BSNL	2G+3G	Sakti_Exch.	Janjgir - Champa	Sakti
175	BSNL-CG-3104	Korba	BSNL	2G+4G	Kusmunda Exch.	Korba	Katghora
176	BSNL-CG-3011	Bilaspur City	BSNL	2G+4G	Vidyanagar	Bilaspur	Bilaspur
177	BSNL-CG-3902	Bilaspur City	Non BSNL	2G+4G	Kranti Nagar	Bilaspur	Bilaspur
178	BSNL-CG-3124	Korba	Non BSNL	2G+4G	Yamuna Vihar	Korba	Korba
179	BSNL-CG-3034	Bilaspur City	Non BSNL	2G+4G	Railway Control Office	Bilaspur	Bilaspur

180	BSNL-CG-3110	Korba	Non BSNL	2G+4G	Balco Plant	Korba	Korba
181	BSNL-CG-3062	Bilaspur City	IP	4G	Bus Stand Chowk	Bilaspur	Bilaspur
182	BSNL-CG-3456	Naila	Non BSNL	2G+3G	Marwa_Power_Project	Janjgir - Champa	Pondishankar
183	BSNL-CG-3206	Naila	Non BSNL	2G+3G	Naila_NBSNL(PNB Bldg)	Janjgir - Champa	Janjgir
184	BSNL-CG-3729	Naila	IP	2G	Temar	Janjgir - Champa	Sakti
185	BSNL-CG-3217	Naila	BSNL	2G+3G	Collectorate Off Naila	Janjgir - Champa	Naila
186	BSNL-CG-3103	Korba	BSNL	2G+4G	BALCO Exch.	Korba	Korba
187	BSNL-CG-3425	Bilaspur Rural	Non BSNL	2G+3G	Luthra_Shariff	Bilaspur	Bilaspur
188	BSNL-CG-3002	Bilaspur City	Non BSNL	2G+4G	JB App	Bilaspur	Bilaspur
189	BSNL-CG-3045	Bilaspur City	Non BSNL	2G+4G	Vinobha Nagar	Bilaspur	Bilaspur
190	BSNL-CG-3719	Naila	IP	2G+3G	Kharsia Rd (Sakti)	Janjgir - Champa	Sakti
191	BSNL-CG-3562	Korba	Non BSNL	2G+4G	Manikpur Colony	Korba	Korba
192	BSNL-CG-3019	Bilaspur City	Non BSNL	2G+4G	Vaishali Tower(Shankarnagar)	Bilaspur	Bilaspur
193	BSNL-CG-3013	Bilaspur City	Non BSNL	2G+4G	Jarhabhata	Bilaspur	Bilaspur
194	BSNL-CG-3017	Bilaspur City	Non BSNL	2G+4G	Uslapur	Bilaspur	Bilaspur
195	BSNL-CG-3727	Naila	Non BSNL	2G+3G	Sarkhon	Janjgir - Champa	Naila
196	BSNL-CG-3118	Korba	BSNL	2G+4G	Vikas nagar Korba	Korba	Katghora
197	BSNL-CG-3030	Bilaspur City	Non BSNL	2G+4G	Loyala School	Bilaspur	Bilaspur
198	BSNL-CG-3029	Bilaspur City	Non BSNL	2G+4G	Tifra Industrial Area	Bilaspur	Bilaspur

LIST OF BTS SITES TO BE MAINTAINED OF SURGUJA OA

BTS & Infrastructure Maintenance for BSNL sites (Excluding IP sites)

S.No.	Site name	Type	Combo Type	District	SDCA/ Sub Division	Service Required
1	BAR001_Bartunga	BSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
2	KAL001_Kalyanpur	BSNL	2G+3G	Sarguja	AMBIKAPUR	BTS+Infra
3	KAT001_Katkona	BSNL	2G+3G	Koriya	BAIKUNTHPUR	BTS+Infra
4	LUN001_Lundra	BSNL	2G+3G	Sarguja	RAJPUR	BTS+Infra
5	MAN003_Railwycln	BSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
6	NAG001_Nagpur	BSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
7	PRA001_Pratapgarh	BSNL	2G	Sarguja	SITAPUR	BTS+Infra
8	Semli mode	BSNL	2G+3G	Balrampur	BALRAMPUR	BTS+Infra
9	BHA001_Bhaiyathan	BSNL	2G+3G	Surajpur	SURAJPUR	BTS+Infra

BTS Maintenance for BSNL sites (Excluding IP sites)

S.No.	Site name	Type	Combo Type	District	SDCA/ Sub Division	Service Required
1	BAT001_Batauli	BSNL	2G+3G	Sarguja	SITAPUR	BTS only
2	CHR001_Chirmiri	BSNL	2G+3G	Koriya	MANENDRAGARH	BTS only
3	CHU001_Churcha	BSNL	2G+3G	Koriya	BAIKUNTHPUR	BTS only
4	DAR001_Darima	BSNL	2G+3G	Sarguja	AMBIKAPUR	BTS only
5	DHA001_Dhaulpur	BSNL	2G+3G	Sarguja	RAJPUR	BTS only
6	GOD001_Godhripara	BSNL	2G+3G	Koriya	MANENDRAGARH	BTS only

7	JAN001_Janakpur	BSNL	2G+3G	Koriya	BHARATPUR	BTS only
8	KHO001_Khongapani	BSNL	2G+3G	Koriya	MANENDRAGARH	BTS only
9	KOR001_Koria	BSNL	2G+3G	Koriya	MANENDRAGARH	BTS only
10	KUS001_Kusmi	BSNL	2G+3G	Balrampur	SAMARI	BTS only
11	LAK001_Lakhanpur	BSNL	2G+3G	Sarguja	AMBIKAPUR	BTS only
12	MAI001_Mainpat	BSNL	2G+3G	Sarguja	SITAPUR	BTS only
13	MAN002_Jhagrakhand	BSNL	2G+3G	Koriya	MANENDRAGARH	BTS only
14	PAN001_PandavPara	BSNL	2G+3G	Koriya	BAIKUNTHPUR	BTS only
15	PAT001_Patna	BSNL	2G+3G	Koriya	BAIKUNTHPUR	BTS only
16	PON001_Pondi	BSNL	2G+3G	Koriya	MANENDRAGARH	BTS only
17	SHA001_Shankargrh	BSNL	2G+3G	Balrampur	SAMARI	BTS only
18	SON001_Sonhat	BSNL	2G+3G	Koriya	BAIKUNTHPUR	BTS only
19	UDA001_Udaypur	BSNL	2G+3G	Sarguja	UDAYPUR	BTS only
20	WAD001_WadrafNgr	BSNL	2G	Balrampur	WADRAFNAGAR	BTS only
21	BHG001_Bhtgaon	BSNL	2G+3G	Surajpur	SURAJPUR	BTS only
22	BIS001_Bishrmpur	BSNL	2G+3G	Surajpur	SURAJPUR	BTS only
23	JAR001_Jarhi	BSNL	2G+3G	Surajpur	SURAJPUR	BTS only
24	KER001_Kerta	BSNL	2G	Surajpur	PRATAPPUR	BTS only
25	KUN001_Kunda	BSNL	2G+3G	Surajpur	SURAJPUR	BTS only
26	LAT001_Latori	BSNL	2G+3G	Surajpur	SURAJPUR	BTS only
27	ODG001_Odgi	BSNL	2G+3G	Surajpur	ODGI	BTS only
28	PRE001_Premnagar	BSNL	2G+3G	Surajpur	PREMNAGAR	BTS only
29	SHR001_Shrinagar	BSNL	2G+3G	Surajpur	SURAJPUR	BTS only
30	SIL001_Silphili	BSNL	2G+3G	Surajpur	SURAJPUR	BTS only

BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)

S.No.	Site name	Type	Combo Type	District	SDCA/ Sub Division	Service Required
1	BAK007_Aklasarai	NBSNL	2G	Koriya	BAIKUNTHPUR	BTS+Infra
2	BAK008_Ghoghra	NBSNL	2G	Koriya	BAIKUNTHPUR	BTS+Infra
3	BAR001_Bargawan	NBSNL	2G	Sarguja	AMBIKAPUR	BTS+Infra
4	BAR001_Bario	NBSNL	2G+3G	Sarguja	RAJPUR	BTS+Infra
5	BAS001_Basen	NBSNL	2G+3G	Balrampur	RAJPUR	BTS+Infra
6	BHA001_Bhawarmal	NBSNL	2G	Balrampur	RAMCHANDRAPUR	BTS+Infra
7	BIL001_Bilaspur	NBSNL	2G	Sarguja	SITAPUR	BTS+Infra
8	BSC001_BSemColery	NBSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
9	CHU002_ChurchaNBSNL	NBSNL	2G+3G	Koriya	BAIKUNTHPUR	BTS+Infra
10	DIP001_DipadihKalan	NBSNL	2G+3G	Balrampur	SAMARI	BTS+Infra
11	JHA001_Jhalariya	NBSNL	2G	Balrampur	BALRAMPUR	BTS+Infra
12	JHI001_Jhingo	NBSNL	2G+3G	Balrampur	RAJPUR	BTS+Infra
13	KAM001_Kamari	NBSNL	2G	Balrampur	RAJPUR	BTS+Infra
14	KAN001_Kanakpur	NBSNL	2G	Balrampur	RAMCHANDRAPUR	BTS+Infra
15	KAR001_Karabel	NBSNL	2G	Sarguja	SITAPUR	BTS+Infra
16	KAT001_Katghodi	NBSNL	2G	Koriya	BAIKUNTHPUR	BTS+Infra
17	KEL001_Kelhari	NBSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
18	KHA001_Khadgwn	NBSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
19	KHO001_Khod	NBSNL	2G	Koriya	BAIKUNTHPUR	BTS+Infra
20	KOT001_Kotadol	NBSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra

21	KUN001_Kunmera	NBSNL	2G	Sarguja	SITAPUR	BTS+Infra
22	LAH001_Lahpatra	NBSNL	2G	Sarguja	AMBIKAPUR	BTS+Infra
23	LAK002_LakhnrNBSNL	NBSNL	2G	Sarguja	AMBIKAPUR	BTS+Infra
24	LAM001_Lamgaon	NBSNL	2G+3G	Sarguja	AMBIKAPUR	BTS+Infra
25	MAH001_Mahavirganj	NBSNL	2G	Balrampur	RAMCHANDRAPUR	BTS+Infra
26	MEN001_MendraKala	NBSNL	2G	Sarguja	AMBIKAPUR	BTS+Infra
27	MIT001_Mitgai	NBSNL	2G	Balrampur	RAMCHANDRAPUR	BTS+Infra
28	NAR001_Narbadapur1	NBSNL	2G+3G	Sarguja	SITAPUR	BTS+Infra
29	NAW001_Nawanagar	NBSNL	2G	Sarguja	AMBIKAPUR	BTS+Infra
30	PAL001_Palka	NBSNL	2G+3G	Sarguja	UDAYPUR	BTS+Infra
31	PRE002_Prmngr_Nbsnl	NBSNL	2G	Balrampur	WADRAFNAGAR	BTS+Infra
32	RAG001_Raghunathpur	NBSNL	2G+3G	Sarguja	AMBIKAPUR	BTS+Infra
33	RAM001_Ramchndpr	NBSNL	2G+3G	Balrampur	RAMCHANDRAPUR	BTS+Infra
34	RAN001_Ranhat	NBSNL	2G	Balrampur	PRATAPPUR	BTS+Infra
35	SAN001_Sanawal	NBSNL	2G+3G	Balrampur	RAMCHANDRAPUR	BTS+Infra
36	SIT002_Sitapur_NBSNL	NBSNL	2G+3G	Sarguja	SITAPUR	BTS+Infra
37	TAT001_Tatapani	NBSNL	2G+3G	Balrampur	BALRAMPUR	BTS+Infra
38	TEN001_Tendua1	NBSNL	2G	Koriya	BAIKUNTHPUR	BTS+Infra
39	TUR001_Turna	NBSNL	2G	Sarguja	AMBIKAPUR	BTS+Infra
40	WAD002_Wadrafng_Mrkt	NBSNL	2G+3G	Balrampur	WADRAFNAGAR	BTS+Infra
41	Balbhadranganagar	NBSNL	2G	Balrampur	RAMCHANDRAPUR	BTS+Infra
42	Gumga Micro	NBSNL	2G	Surajpur	AMBIKAPUR	BTS+Infra
43	Sargawan	NBSNL	2G+3G	Sarguja	AMBIKAPUR	BTS+Infra
44	Railway station Amb	NBSNL	2G+3G	Sarguja	AMBIKAPUR	BTS+Infra
45	Samri Road	NBSNL	2G	Balrampur	SAMARI	BTS+Infra
46	Palgi	NBSNL	2G	Balrampur	RAMCHANDRAPUR	BTS+Infra
47	BAS001_Basdai	NBSNL	2G	Surajpur	SURAJPUR	BTS+Infra
48	BIS002_ShivNandanpur	NBSNL	2G+3G	Surajpur	SURAJPUR	BTS+Infra
49	GIR001_Girwanganj	NBSNL	2G+3G	Surajpur	SURAJPUR	BTS+Infra
50	JAI001_JaiNagar	NBSNL	2G+3G	Surajpur	SURAJPUR	BTS+Infra
51	KAR001_Karanji1	NBSNL	2G+3G	Surajpur	SURAJPUR	BTS+Infra
52	KRI001_Krishnapur	NBSNL	2G	Surajpur	SURAJPUR	BTS+Infra
53	KUD001_Kudargarh_Nbsnl	NBSNL	2G	Surajpur	SURAJPUR	BTS+Infra
54	MAH001_MahamayaClry	NBSNL	2G+3G	Surajpur	SURAJPUR	BTS+Infra
55	PON001_Pondikhurd	NBSNL	2G	Surajpur	PRATAPPUR	BTS+Infra
56	SHI001_ShivNgr	NBSNL	2G	Surajpur	UDAYPUR	BTS+Infra
57	SUB001_SubArea	NBSNL	2G	Surajpur	SURAJPUR	BTS+Infra
58	TAR001_Tara	NBSNL	2G+3G	Surajpur	UDAYPUR	BTS+Infra
59	Dhondha	NBSNL	2G	Surajpur	WADRAFNAGAR	BTS+Infra
60	Pratappur Nbsnl	NBSNL	2G+3G	Surajpur	PRATAPPUR	BTS+Infra
61	BSC001_Chanwaridand	NBSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
62	BSC001_Gurudwara	NBSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
63	BSC001_Civilline	NBSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
64	BSC001_Puranbasti	NBSNL	2G+3G	Koriya	MANENDRAGARH	BTS+Infra
65	KAT001_Katkona2	NBSNL	2G	Koriya	BAIKUNTHPUR	BTS+Infra

BTS Maintenance for Infrastructure Provider (IP) sites

S.No.	Site name	Type	Combo Type	District	SDCA/ Sub Division	Service Required
1	CHA001_Chalgeli	IP	2G	Balrampur	PRATAPPUR	BTS only
2	GOP001_Gopalpur_AKR	IP	2G	Balrampur	RAJPUR	BTS only
3	IPA031_Amarpur	IP	2G	Koriya	BAIKUNTHPUR	BTS only
4	IPA032_BhitthiKalan	IP	2G	Sarguja	AMBIKAPUR	BTS only
5	IPA033_Jajga	IP	2G	Sarguja	UDAYPUR	BTS only
6	IPA034_Kot	IP	2G	Sarguja	SITAPUR	BTS only
7	IPT004_Paradol	IP	2G	Koriya	MANENDRAGARH	BTS only
8	KAT001_Kathotiya	IP	2G	Koriya	MANENDRAGARH	BTS only
9	RAD001_Radhapur	IP	2G	Sarguja	SITAPUR	BTS only
10	USO033_Parsa	IP	2G	Sarguja	AMBIKAPUR	BTS only
11	USO039_Balrampur	IP	2G	Sarguja	RAJPUR	BTS only
12	USO060_Barbaspur	IP	2G	Koriya	MANENDRAGARH	BTS only
13	USO065_Chandaura	IP	2G	Balrampur	PRATAPPUR	BTS only
14	USO071_Padhi	IP	2G	Balrampur	RAJPUR	BTS only
15	USO075_Batwahi	IP	2G	Sarguja	AMBIKAPUR	BTS only
16	USO076_Chittarpur	IP	2G	Sarguja	RAJPUR	BTS only
17	USO076_Masaura	IP	2G	Koriya	BHARATPUR	BTS only
18	USO077_Maharajganj	IP	2G	Balrampur	BALRAMPUR	BTS only
19	USO079_Balauda	IP	2G	Koriya	BHARATPUR	BTS only
20	USO079_Putsura	IP	2G	Balrampur	BALRAMPUR	BTS only
21	USO080_Kamlapur	IP	2G	Balrampur	SAMARI	BTS only
22	USO082_Dindo	IP	2G	Balrampur	WADRAFNAGAR	BTS only
23	USO083_Toja	IP	2G	Koriya	BHARATPUR	BTS only
24	USO084_Pasta	IP	2G+3G	Balrampur	RAJPUR	BTS only
25	USO085_Meghuli	IP	2G	Balrampur	RAMCHANDRAPUR	BTS only
26	USO087_Semariya	IP	2G	Koriya	BHARATPUR	BTS only
27	USO089_Pasauri	IP	2G	Koriya	BHARATPUR	BTS only
28	USO090_Kachhod	IP	2G	Koriya	BHARATPUR	BTS only
29	USO093_Marma	IP	2G	Balrampur	RAMCHANDRAPUR	BTS only
30	USO094_Gajar	IP	2G	Balrampur	RAMCHANDRAPUR	BTS only
31	USO095_Bepadi	IP	2G	Balrampur	WADRAFNAGAR	BTS only
32	USO097_Salka	IP	2G	Sarguja	UDAYPUR	BTS only
33	USO099_Raghupur	IP	2G	Sarguja	RAJPUR	BTS only
34	USO101_Ghutara	IP	2G	Koriya	BHARATPUR	BTS only
35	USO103_Jodhpur	IP	2G	Balrampur	BALRAMPUR	BTS only
36	USO105_Lodha	IP	2G	Balrampur	RAMCHANDRAPUR	BTS only
37	USO108_Manwari	IP	2G	Koriya	BHARATPUR	BTS only
38	USO135_GhughriKhurd	IP	2G	Balrampur	SAMARI	BTS only
39	USO136_BairdihKala	IP	2G	Balrampur	BALRAMPUR	BTS only
40	USO137_Lipangi	IP	2G	Sarguja	UDAYPUR	BTS only
41	USO141_Badauli	IP	2G	Balrampur	RAJPUR	BTS only
42	USO142_Rajauli	IP	2G	Koriya	BAIKUNTHPUR	BTS only
43	USO143_Jamira	IP	2G	Balrampur	SAMARI	BTS only

44	USO145_Chattarpur	IP	2G	Balrampur	RAMCHANDRAPUR	BTS only
45	USO146_Lawahori	IP	2G	Koriya	BHARATPUR	BTS only
46	USO147_Patasi	IP	2G	Koriya	BHARATPUR	BTS only
47	USO149_Bakashpur	IP	2G	Balrampur	SAMARI	BTS only
48	USO150_Ghughrikala	IP	2G	Balrampur	SAMARI	BTS only
49	USO151_Kanchannagar	IP	2G	Balrampur	SAMARI	BTS only
50	USO158_Karri	IP	2G	Sarguja	AMBIKAPUR	BTS only
51	USO160_Guturma	IP	2G	Sarguja	SITAPUR	BTS only
52	USO168_Kothali	IP	2G	Balrampur	SAMARI	BTS only
53	USO176_Makad	IP	2G	Balrampur	RAJPUR	BTS only
54	USO200_Barwahi	IP	2G	Balrampur	RAMCHANDRAPUR	BTS only
55	USO201_KameshwarNgr	IP	2G	Balrampur	RAMCHANDRAPUR	BTS only
56	USO202_Jamgaon	IP	2G	Sarguja	AMBIKAPUR	BTS only
57	USO203_Rupakhar	IP	2G	Sarguja	SITAPUR	BTS only
58	USO204_Parsagudi	IP	2G	Balrampur	RAJPUR	BTS only
59	USO205_Ghangari	IP	2G	Sarguja	AMBIKAPUR	BTS only
60	USO219_Bharuhibans	IP	2G	Balrampur	WADRAFNAGAR	BTS only
61	USO224_Putkura	IP	2G	Sarguja	UDAYPUR	BTS only
62	USO227_Charhatkala	IP	2G	Balrampur	SAMARI	BTS only
63	USO231_Kuruldih	IP	2G	Balrampur	WADRAFNAGAR	BTS only
64	USO240_Kumdewa	IP	2G	Sarguja	UDAYPUR	BTS only
65	USO241_Kotpali	IP	2G	Balrampur	BALRAMPUR	BTS only
66	USO243_Gharghori	IP	2G	Balrampur	RAMCHANDRAPUR	BTS only
67	USO248_Laxmanpur	IP	2G	Balrampur	SAMARI	BTS only
68	USO336_Barbaspur_P	IP	2G	Balrampur	RAJPUR	BTS only
69	USO478_Amalbhithi	IP	2G	Sarguja	AMBIKAPUR	BTS only
70	USO483_DumarKhola	IP	2G	Balrampur	BALRAMPUR	BTS only
71	USO485_Nawadih_Khurd	IP	2G	Balrampur	SAMARI	BTS only
72	jawahar nagar	IP	2G	Balrampur	BALRAMPUR	BTS only
73	MAN007_Manendrgarh 5	IP	2G+3G	Koriya	MANENDRAGARH	BTS only
74	MAN007_Manendrgarh_TV Tower	IP	2G+3G	Koriya	MANENDRAGARH	BTS only
75	AJB001_AjabNagar	IP	2G	Surajpur	SURAJPUR	BTS only
76	BIS003_Bishrampur1	IP	2G+3G	Surajpur	SURAJPUR	BTS only
77	IPA008_KumdaBasti_Datima	IP	2G	Surajpur	SURAJPUR	BTS only
78	USO086_Padauli	IP	2G	Surajpur	PRATAPPUR	BTS only
79	USO091_Chandramedha	IP	2G	Surajpur	SURAJPUR	BTS only
80	USO092_Karaunti	IP	2G	Surajpur	SURAJPUR	BTS only
81	USO098_Rajapur	IP	2G	Surajpur	SURAJPUR	BTS only
82	USO109_Kuruwa	IP	2G	Surajpur	SURAJPUR	BTS only
83	USO110_Sonpur	IP	2G	Surajpur	SURAJPUR	BTS only
84	USO145_Kotal	IP	2G	Surajpur	UDAYPUR	BTS only
85	USO161_NavaparaKala	IP	2G	Surajpur	PREMNAGAR	BTS only
86	USO165_Gowindpur	IP	2G	Surajpur	PRATAPPUR	BTS only
87	USO170_Shivprasadngr	IP	2G	Surajpur	SURAJPUR	BTS only
88	USO171_Patna	IP	2G	Surajpur	SURAJPUR	BTS only
89	USO175_Parwatipur	IP	2G	Surajpur	UDAYPUR	BTS only

90	USO230_Chandannagar	IP	2G	Surajpur	PREMNAGAR	BTS only
91	USO388_Dharsedi	IP	2G	Surajpur	ODGI	BTS only
92	KAS001_Kasara_lwe	IP	2G	Surajpur	BAIKUNTHPUR	BTS only
93	BAROTA	IP	2G	Surajpur	BAIKUNTHPUR	BTS only
94	man007_Manendragarh2	IP	2G+3G	Koriya	MANENDRAGARH	BTS only
95	USO096_Tripuri	IP	2G	Balrampur	SAMARI	BTS only

RIGGER FOR NON-OUTSOURCED SITES

SL No	BTS Name	SSA	Concerned Person	Tech	Status	BSNL/ NBSNL/ IP	IP Name
1	AMB001_MW_EX	Surguja	Mr Shashi Kapoor	UMTS+GSM		BSNL	
2	AMB002_AmbedkrChwk	Surguja	Mr Shashi Kapoor	UMTS+GSM		BSNL	
3	AMB003_RamnijnjRSU	Surguja	Mr Shashi Kapoor	UMTS+GSM		BSNL	
4	AMB004_Jorapipal	Surguja	Mr Shashi Kapoor	UMTS+GSM		IP	ATC ISL (IDEA)
5	AMB005_SubhashNgr	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
6	AMB006_Mahamaycwk	Surguja	Mr Shashi Kapoor	UMTS+GSM		BSNL	
7	AMB007_BabuparaEx	Surguja	Mr Shashi Kapoor	UMTS+GSM		BSNL	
8	AMB008_DC_Road	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
9	AMB009_NmnaKala	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
10	AMB010_SadarRd	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
11	AMB011_PunjabGrdn	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
12	AMB012_Godhnpur	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
13	AMB013_Shivdhari_Clny	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
14	AMB014_Bishunpur	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
15	AMB016_GandhiNagar	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
16	AMB017_Choprapara	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
17	AMB018_Mayapur	Surguja	Mr Shashi Kapoor	UMTS+GSM		NBSN L	
18	AMB022_Agriculture_college	Surguja	Mr Shashi Kapoor	UMTS+GSM		IP	ATC ISL (IDEA)
19	AMB023_BilaspurChowk	Surguja	Mr Shashi Kapoor	UMTS+GSM		IP	ATC TIPL (VIOM)
20	AMB024_KharasiaChk	Surguja	Mr Shashi Kapoor	UMTS+GSM		IP	ATC ISL (IDEA)
21	AMB025_Ring_Rd	Surguja	Mr Shashi Kapoor	UMTS+GSM		IP	TOWER VISION
22	AMB026_Deviganj_Road	Surguja	Mr Shashi Kapoor	UMTS+GSM		IP	ATC ISL (IDEA)
23	AMB027_BichPara	Surguja	Mr Shashi Kapoor	UMTS+GSM		IP	ATC VODAFONE
24	AMB029_Poksari	Surguja	Mr H L bhagat	GSM	Locked	NBSN L	
25	AMB030_Sarga	Surguja	Mr H L bhagat	GSM	Locked	NBSN L	

26	AND001_Andhla	Surguja	Mr H L bhagat & Mr Lalit Ram	GSM		NBSN L	
27	BAK001_Baikunthpur	Surguja	Mr Hemant Agrawal	UMTS+GSM		BSNL	
28	BAK003_Colectorte	Surguja	Mr Hemant Agrawal	UMTS+GSM		BSNL	
29	BAK004_Bhandi	Surguja	Mr Hemant Agrawal	UMTS+GSM		NBSN L	
30	BAK005_Gadelpara	Surguja	Mr Hemant Agrawal	UMTS+GSM		NBSN L	
31	BAK006_JhumkaBandh	Surguja	Mr Hemant Agrawal	UMTS+GSM		IP	TOWER VISION
32	BAL001_Balrampr	Surguja	Mr Madan Kumar	UMTS+GSM		BSNL	
33	BAL002_Balrampur2	Surguja	Mr Madan Kumar	UMTS+GSM		NBSN L	
34	BDK001_BadakiMahari	Surguja	Mr Madan Kumar	GSM	Locked	#N/A	
35	BOJ001_Bojha	Surguja	Mr Raman Dev	GSM	Locked	NBSN L	
36	CHI001_Chindiya	Surguja	Mr Hemant Agrawal	GSM	Locked	NBSN L	
37	DIG001_Digma	Surguja	Mr Shashi Kapoor	GSM		IP	ATC ISL (IDEA)
38	IND001_Indrapur	Surguja	Mr Shivam Mehrotra	GSM	Locked	NBSN L	
39	IPA007_AMB020_Kishanpur	Surguja	Mr Shashi Kapoor	UMTS+GSM		IP	ASCEND
40	IPA037_KODAURA	Surguja	Mr Madan Kumar	GSM		IP	ATC TIPL (VIOM)
41	MAN001_MandrgrhEx	Surguja	Mr Dilip Tirkey	UMTS+GSM		BSNL	
42	NAG001_Nagar	Surguja	Mr Hemant Agrawal	GSM	Locked	NBSN L	
43	PAR001_Pratapur	Surguja	Mr Raman Dev	UMTS+GSM		BSNL	
44	RAJ001_Rajpur	Surguja	Mr Mithlesh Minj	UMTS+GSM		BSNL	
45	RAJ002_Rajpur_Addi	Surguja	Mr Mithlesh Minj	GSM		NBSN L	
46	RAJ003_Rajpur_Addi2	Surguja	Mr Mithlesh Minj	UMTS+GSM		NBSN L	
47	RAM001_Ramanujganj	Surguja	Mr Shivam Mehrotra	UMTS+GSM		BSNL	
48	RAM003_Ramanujganj_new	Surguja	Mr Shivam Mehrotra	UMTS+GSM		IP	ATC ISL (IDEA)
49	RAT001_Ratanpur_Mngrh	Surguja	Mr R S Tanwar	GSM	Locked	NBSN L	
50	REH001_Rehar	Surguja	Mr Chandresh Sahu	UMTS+GSM	Locked	NBSN L	
51	SIT001_Sitapur	Surguja	Mr H L bhagat	UMTS+GSM		BSNL	
52	SUR001_SurajPurEx	Surguja	Mr Chandresh Sahu	UMTS+GSM		BSNL	
53	SUR002_SurajpurMrkt	Surguja	Mr Chandresh Sahu	UMTS+GSM		IP	
54	SUR003_Kaskela	Surguja	Mr Chandresh Sahu	GSM	Locked	NBSN L	
55	SUR004_AdhinaSalka	Surguja	Mr Chandresh Sahu	GSM	Locked	NBSN L	
56	SUR005_Surajpur07	Surguja	Mr Chandresh Sahu	UMTS+GSM		IP	
57	SUR006_Surajpur02	Surguja	Mr Chandresh Sahu	UMTS+GSM		IP	
58	SUR007_Ketaka	Surguja	Mr Chandresh Sahu	GSM	Locked	NBSN L	
59	UDU001_Udumkela	Surguja	Mr H L bhagat	GSM	Locked	NBSN L	

LIST OF BTS SITES TO BE MAINTAINED OF RAIGARH OA

BTS & Infrastructure Maintenance for BSNL sites (Excluding IP sites)

S.No.	Site name	Type	Combo Type	District	SDCA/ Sub Division	Service Required	Site Status
1	PUN001_Punjipatra	BSNL	2G+3G	Raigarh	Gharghoda	BTS + Infra	Working
2	KUD001_Kudekela	BSNL	2G	Raigarh	Kharsia	BTS + Infra	Working
3	KOT001_Kotba	BSNL	2G+3G	Jashpur	Pathalgaon	BTS + Infra	Working
4	GER001_Gerwani	BSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
5	JHA001_Jhalmala2	BSNL	2G	Raigarh	Raigarh Group	BTS + Infra	Working
6	KUS001_Kusmuda	BSNL	2G	Raigarh	Raigarh Group	BTS + Infra	Working
7	SAL001_Saalar	BSNL	2G+3G	Raigarh	Sarangarh	BTS + Infra	Working

BTS Maintenance for BSNL sites (Excluding IP sites)

S.No.	Site name	Type	Combo Type	District	SDCA/ Sub Division	Service Required	Site Status
1	DHA001_Dharamjaigarh	BSNL	2G+3G	Raigarh	Gharghoda	BTS only	Working
2	BAR001_Baraod	BSNL	2G+3G	Raigarh	Gharghoda	BTS only	Working
3	LAI001_Lailunga	BSNL	2G+3G	Raigarh	Gharghoda	BTS only	Working
4	MAN001_Manora	BSNL	2G+3G	Jashpur	Jashpur	BTS Only	Working
5	LOD001_Lodam	BSNL	2G+3G	Jashpur	Jashpur	BTS only	Working
6	SAN001_Sanna	BSNL	2G+3G	Jashpur	Jashpur	BTS only	Working
7	CHH001_Chhal	BSNL	2G+3G	Raigarh	Kharsia	BTS only	Working
8	BAG001_Bagicha	BSNL	2G+3G	Jashpur	Kunkuri	BTS only	Working
9	KAN001_Kansabel	BSNL	2G+3G	Jashpur	Kunkuri	BTS only	Working
10	BAN001_Banderchua	BSNL	2G+3G	Jashpur	Kunkuri	BTS only	Working
11	DUL001_Duldula	BSNL	2G+3G	Jashpur	Kunkuri	BTS only	Working
12	TAP001_TapkraHW	BSNL	2G+3G	Jashpur	Kunkuri	BTS only	Working
13	LUD001_Ludeg	BSNL	2G+3G	Jashpur	Pathalgaon	BTS only	Working
14	RAG002_Jindal	BSNL	2G+3G	Raigarh	Raigarh Group	BTS only	Working
15	LEN001_Lendhra	BSNL	2G+3G	Raigarh	Sarangarh	BTS only	Working
16	KOS001_Kosir	BSNL	2G+3G	Raigarh	Sarangarh	BTS only	Working
17	BAR001_Baramkela	BSNL	2G+3G	Raigarh	Sarangarh	BTS only	Working
18	SAR001_Sariya	BSNL	2G+3G	Raigarh	Sarangarh	BTS only	Working

BTS & Infrastructure Maintenance for Non-BSNL sites (Excluding IP sites)

S.No.	Site name	Type	Combo Type	District	SDCA/ Sub Division	Service Required	Site Status
1	USO184_Sisringal	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Working
2	GHA005_Hati	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Working
3	KHA001_Khadgaon2	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Working
4	GER001_Gersa	NBSNL	2G+3G	Raigarh	Gharghoda	BTS + Infra	Working

5	DON001_Dongamahua	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Working
6	URJ001_UrjaNgr	NBSNL	2G+3G	Raigarh	Gharghoda	BTS + Infra	Working
7	TIL001_Tilaipali_NTPC	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Working
8	TAM001_Tamnar	NBSNL	2G+3G	Raigarh	Gharghoda	BTS + Infra	Working
9	GHA004_Amlidih	NBSNL	2G+3G	Raigarh	Gharghoda	BTS + Infra	Working
10	TRN001_TRN_Energy	NBSNL	2G+3G	Raigarh	Gharghoda	BTS + Infra	Working
11	USO104_Kurumkela	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Working
12	GHA001_Gharghodi	NBSNL	2G+3G	Raigarh	Gharghoda	BTS + Infra	Working
13	LAR001_Laripani	NBSNL	2G+3G	Raigarh	Gharghoda	BTS + Infra	Working
14	USO046_Bhuiyapani	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Working
15	TAM002_Tamnar_JSPL	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Working
16	USO062_Kotrimal	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Working
17	KON001_Kondkel	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Locked
18	KOR001_Korwahi	NBSNL	2G	Raigarh	Gharghoda	BTS + Infra	Locked
19	BOK001_Boki	NBSNL	2G	Jashpur	Jashpur	BTS + Infra	Working
20	USO181_ChhoteKaranja	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
21	GHA001_Ghaghra	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
22	CHA001_ChampaToli	NBSNL	2G	Jashpur	Jashpur	BTS + Infra	Locked
23	FAT001_Fatehpur	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
24	AGD001_Agdih	NBSNL	2G	Jashpur	Jashpur	BTS + Infra	Working
25	LOK001_Lokhandi2	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
26	USO189_Narayanpur	NBSNL	2G	Jashpur	Jashpur	BTS + Infra	Working
27	USO190_Jholenga	NBSNL	2G	Jashpur	Jashpur	BTS + Infra	Working
28	USO191_Jamtoli_Jaspr	NBSNL	2G	Jashpur	Jashpur	BTS + Infra	Working
29	JAS004_Balachhapar	NBSNL	2G	Jashpur	Jashpur	BTS + Infra	Working
30	GHO001_Gholeng	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
31	USO422_Pandrapat	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
32	SON001_Sonkyari	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
33	USO423_Ordya	NBSNL	2G	Jashpur	Jashpur	BTS + Infra	Working
34	AST001_Asta	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
35	USO424_Champa	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
36	RUP001_Rupsera	NBSNL	2G	Jashpur	Jashpur	BTS + Infra	Working
37	JAS003_Gamhariya	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
38	BHA001_Bhagalpur	NBSNL	2G+3G	Jashpur	Jashpur	BTS + Infra	Working
39	USO389_Tundri	NBSNL	2G	Raigarh	Kharsia	BTS + Infra	Working
40	BOT001_Botalda	NBSNL	2G	Raigarh	Kharsia	BTS + Infra	Working
41	NAH001_Naharpali	NBSNL	2G	Raigarh	Kharsia	BTS + Infra	Working
42	JHA001_Jharadih	NBSNL	2G	Raigarh	Kharsia	BTS + Infra	Working
43	LAT001_Lathmines	NBSNL	2G	Raigarh	Kharsia	BTS + Infra	Working
44	CHA001_Chaple	NBSNL	2G+3G	Raigarh	Kharsia	BTS + Infra	Working
45	DOM001_Domnara	NBSNL	2G	Raigarh	Kharsia	BTS + Infra	Working
46	NAN001_Nandeli	NBSNL	2G+3G	Raigarh	Kharsia	BTS + Infra	Working
47	GOR001_Gorra	NBSNL	2G	Raigarh	Kharsia	BTS + Infra	Working
48	BHU001_Bhupdeopur	NBSNL	2G+3G	Raigarh	Kharsia	BTS + Infra	Working
49	JOB001_Jobi	NBSNL	2G	Raigarh	Kharsia	BTS + Infra	Locked
50	PET001_PetaSonpur	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Locked
51	GHO001_Ghoghar	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Locked

52	USO459_Aurizor	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Locked
53	SALI001_Salihatali	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
54	MAH001_MahadeoDand	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
55	JAS006_Sarabkombo	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
56	SAR001_Sardih	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
57	USO458_Maini	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
58	USO133_Nakbar	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
59	BAT001_Bataikela	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
60	USO322_Kudmura	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
61	BAG002_Bagicha_NBSNL	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
62	KAN002_KansabelNBSNL	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
63	BHI001_Bhitghra_Bagicha	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
64	USO456_Jamtoli	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
65	GOR001_Goriya	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
66	USO169_Jampani	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
67	KAL001_Kaliba	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
68	LOD001_Lodma	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
69	USO460_Korna	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
70	BAG001_Bagiya	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
71	NAR001_Narayanpur1	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
72	KER001_Keradiah	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
73	CHE001_Cheraidand	NBSNL	2G+3G	Jashpur	Kunkuri	BTS + Infra	Working
74	RKR001_Raikera	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
75	GIN001_Ginabहार	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
76	USO297_Basantala	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
77	MAY001_Mayurchundi	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
78	KER001_Kersai	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
79	LAT001_Lathbora	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
80	SIN001_Singibहार	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Locked
81	LVK001_Lavakera	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
82	MEN001_Mendarbहार	NBSNL	2G	Jashpur	Kunkuri	BTS + Infra	Working
83	USO044_Saskoba	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Locked
84	GAN001_Ganjhiyadiह	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Locked
85	VII001_VijayNGR	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
86	USO034_Kapu	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
87	MUN001_Mundagaon2	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Locked
88	BAG001_Bagudega	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
89	RAJ001_Rajpur2	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
90	KOD001_Kodasiya	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Locked
91	BAK001_Bakaruma	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
92	PAK001_Pakargaon	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
93	KUD001_Kudkelkhajari	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
94	PAN001_Pandripani	NBSNL	2G+3G	Jashpur	Pathalgaon	BTS + Infra	Working
95	KOK001_Kokiyakhar	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
96	BAN001_Bangaon	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
97	BAG001_Baghbहार	NBSNL	2G+3G	Jashpur	Pathalgaon	BTS + Infra	Working
98	SHE001_Shekharpur	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working

99	TAM001_Tamta1	NBSNL	2G+3G	Jashpur	Pathalgaon	BTS + Infra	Working
100	BAL001_Balajhar	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
101	PAT007_Kolenjhariya	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
102	SUK001_Sukrapara	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Working
103	Ganjhiyadih	NBSNL	2G	Jashpur	Pathalgaon	BTS + Infra	Locked
104	CHH001_ChichholUmaria	NBSNL	2G	Raigarh	Raigarh Group	BTS + Infra	Locked
105	TAR001_Taraimal	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
106	SUP001_Supa	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
107	LAR002_Lara_NTPC_Colony	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
108	LOI001_Loing	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
109	TET001_Tetla	NBSNL	2G	Raigarh	Raigarh Group	BTS + Infra	Locked
110	JAM001_Jamgaon	NBSNL	2G	Raigarh	Raigarh Group	BTS + Infra	Locked
111	KON001_KondaTarai	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
112	SAR001_Saraipali	NBSNL	2G	Raigarh	Raigarh Group	BTS + Infra	Working
113	LAR001_Lara_NTPC	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
114	KWP001_Kwpc1	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
115	PAD001_Padigaon	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
116	USO052_Pusaur	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
117	RAG012_Chathamuda	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
118	RAG016_Urdana	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
119	KIR001_KirodimalNgr	NBSNL	2G+3G	Raigarh	Raigarh Group	BTS + Infra	Working
120	BDP001_Badpali	NBSNL	2G	Raigarh	Raigarh Group	BTS + Infra	Locked
121	USO185_Aurda	NBSNL	2G	Raigarh	Raigarh Group	BTS + Infra	Locked
122	RIS001_Risaura	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Locked
123	BON001_Bonda	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Locked
124	TOS001_Tosir	NBSNL	2G+3G	Raigarh	Sarangarh	BTS + Infra	Locked
125	DVG001_Devgaon	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Locked
126	BAD001_Badehardi	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Locked
127	TIM001_Timarlaga	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
128	GOD001_Godam	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
129	Nav001_Navapali	NBSNL	2G+3G	Raigarh	Sarangarh	BTS + Infra	Working
130	SAL002_Salheona	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
131	USO045_Dongaripali	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
132	MAL001_Malda	NBSNL	2G+3G	Raigarh	Sarangarh	BTS + Infra	Working
133	CHO001_ChhoteLendra	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
134	DAN001_Dansara	NBSNL	2G+3G	Raigarh	Sarangarh	BTS + Infra	Working
135	JUS001_Jushpur	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
136	SIG001_Sighanpur	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
137	SAR002_SariyaMarket	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
138	KAN001_Kanakbira	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
139	CHH001_Chhind1	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
140	PAN001_Panchdhar	NBSNL	2G+3G	Raigarh	Sarangarh	BTS + Infra	Working
141	BAD001_Badenawapara	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Working
142	BAR002_BarmklnNBSNL	NBSNL	2G+3G	Raigarh	Sarangarh	BTS + Infra	Working
143	USO043_GobarSingh	NBSNL	2G	Raigarh	Sarangarh	BTS + Infra	Locked

BTS Maintenance for Infrastructure Provider (IP) sites

S.No.	Site name	Type	Combo Type	District	SDCA/ Sub Division	Service Required	Site Status
1	JHA001_Jhagarpur	IP	2G	Raigarh	Gharghoda	BTS Only	Working
2	TER001_Teram	IP	2G	Raigarh	Gharghoda	BTS Only	Working
3	KHR004_Madanpur_Kharsia	IP	2G+3G	Raigarh	Kharsia	BTS only	Working
4	KAN003_Pusra	IP	2G	Jashpur	Kunkuri	BTS Only	Working
5	JAS007_Tangargaon	IP	2G	Jashpur	Kunkuri	BTS Only	Working
6	BHA002_Bhagora	IP	2G	Jashpur	Kunkuri	BTS Only	Working
7	ANK001_Ankira	IP	2G	Jashpur	Kunkuri	BTS Only	Working
8	SUR001_Surangpani	IP	2G	Jashpur	Pathalgaon	BTS Only	Working
9	DUM001_Dumaria	IP	2G	Jashpur	Pathalgaon	BTS Only	Working
10	PAT006_Chiknipani	IP	2G	Jashpur	Pathalgaon	BTS Only	Working
11	PAR001_Parsada	IP	2G	Raigarh	Raigarh Group	BTS only	Working

RIGGER FOR NON-OUTSOURCED SITES

RAIGARH NON CLUSTER SITES LIST			
bts_id	bts_name	bts_site_id	SDCA
1	GHA001_Gharghoda	GHA001_Gharghoda	GHARGHODA
2	GHA002_Garghoda_NBSL	GHA002_Garghoda_NBSL	GHARGHODA
3	JAS005_TahsilChk	JAS005_TahsilChk	JASHPUR
4	TELI001_Telitola	TELI001_Telitola	JASHPUR
5	JAS001_JashpurExch	JAS001_JashpurExch	JASHPUR
6	JAS002_Deepatoli	JAS002_Deepatoli	JASHPUR
7	KHR001_KharsiaEx	KHR001_KharsiaEx	KHARSIA
8	KHR002_KhrsaOldEx	KHR002_KhrsaOldEx	KHARSIA
9	KHR003_raigarhRoad	KHR003_raigarhRoad	KHARSIA
10	KUN003_Gadakata	KUN003_Gadakata	KUNKURI
11	KUN001_Kunkuri	KUN001_Kunkuri	KUNKURI
12	KUN002_Bazardand	KUN002_Bazardand	KUNKURI
13	PAT005_KashmiriGali	PAT005_KashmiriGali	PATTHALGAON
14	PAT001_Patthalgn	PAT001_Patthalgn	PATTHALGAON
15	PAT002_AmbikaRd	PAT002_AmbikaRd	PATTHALGAON
16	PAT003_Patthalgaon03	PAT003_Patthalgaon03	PATTHALGAON
17	PAT004_Madanpur	PAT004_Madanpur	PATTHALGAON
18	RAG001_RaigarhEx	RAG001_RaigarhEx	RAIGARH CITY
19	RAG019_VikasNgr	RAG019_VikasNgr	RAIGARH CITY
20	RAG025_Raigarh_Clrt	RAG025_Raigarh_Clrt	RAIGARH CITY
21	RAG022_Jute_Mill	RAG022_Jute_Mill	RAIGARH CITY
22	RAG009_KabirChk	RAG009_KabirChk	RAIGARH CITY
23	RAG026_Medical_college	RAG026_Medical_college	RAIGARH CITY
24	RAG003_Gandhiganj	RAG003_Gandhiganj	RAIGARH CITY
25	RAG017_LalTanki	RAG017_LalTanki	RAIGARH CITY
26	RAG023_CentralSchool	RAG023_CentralSchool	RAIGARH CITY
27	RAG010_Malipara	RAG010_Malipara	RAIGARH CITY
28	RAG004_Darogapara	RAG004_Darogapara	RAIGARH CITY
29	RAG011_SECLOfice	RAG011_SECLOfice	RAIGARH CITY

30	RAG005_CrmelCnvt	RAG005_CrmelCnvt	RAIGARH CITY
31	RAG005_Madhbnpra	RAG005_Madhbnpra	RAIGARH CITY
32	RAG024_Grand_Mall	RAG024_Grand_Mall	RAIGARH CITY
33	KAU001_Kauhakonda1	KAU001_Kauhakonda1	RAIGARH CITY
34	RAG007_HosingBdCly	RAG007_HosingBdCly	RAIGARH CITY
35	AML001_AmliBhavna	AML001_AmliBhavna	RAIGARH GROUP
36	RAG014_Hirapur	RAG014_Hirapur	RAIGARH GROUP
37	RAG008_Attermuda	RAG008_Attermuda	RAIGARH GROUP
38	RAG015_JindalIT	RAG015_JindalIT	RAIGARH GROUP
39	RAG018_Vrindavan_Colony	RAG018_Vrindavan_Colony	RAIGARH GROUP
40	RAG013_Dhimrapur	RAG013_Dhimrapur	RAIGARH GROUP
41	RAN001_Ranisagar	RAN001_Ranisagar	SARANGARH
42	SAN002_Nandachowk	SAN002_Nandachowk	SARANGARH
43	SAN001_SaranGarh	SAN001_SaranGarh	SARANGARH

SECTION -XII

**AN AFFIDAVIT IS TO BE GIVEN BY THE PROPRIETOR/PARTNER'S / DIRECTORS
(To be executed in presence of public notary on non-judicial stamp paper of the value of
Rs.100/-or More. The stamp paper has to be in the name of the tenderer)**

I _____ Sole proprietor/ Partner/ authorized signatory of M/s _____ sole proprietorship/partnership firm/public/ private limited company, having its principal place of business/ registered office at - _____ (Full Address) do hereby solemnly

affirm and declare as under:-

1. That I am the sole proprietor of M/s _____

	Full Name of proprietor	Fathers name	Address	Contract No.	Email ID
1					

That our firm is partnership firm having partners as under:-

	Full Name of partners	Fathers name	Address	Contract No.	Email ID
1					
2					
3					

OR

That our firm is Private limited / public limited company incorporated in terms of the provisions of the Companies Act. 1956/ Companies Act, 2013.

	Full Name of Directors	Fathers name	Address	Contract No.	Email ID
1					
2					
3					

2. I /we _____(Name of Partner/ Directors)

all the partners/ Directors here by authorize to Mr-----to act in our name and on behalf and sign and execute all documents/ agreements binding the firm for all contractual obligations (including references of cases to arbitration) arising out of contracts to be entered into by the firm with the CGMT CG Circle Raipur , (C.G.) in connection with their Tender for-----

----- Vide NIT No. -----

In short he is fully authorized to do all each and everything requisite for the above purpose concerning ____

(Name of Firm) and we hereby agree to confirm and ratify his all and every act of this or any documents executed by our said attorney within the scope of the authority hereby conferred on him including references of cases to arbitration and the same shall be binding on us and our firm as if the same were executed by us individually or jointly.

3. Detail trade/work description of Firm:-

- I. -----
- II. -----
- III. -----

4. I/We declared that my "Firm/Company Name" Address -----
----- (which is registered under Firm of registrar/ company Act or any other statutory organization) is Unique in all others respective organization such as EPF, ESI, GST, Income Tax Return , PAN and other Govt. organization . If any discrepancy is found then I would not be allowed in any interim relief in any ground of Passing off.
5. That I/We will is not barred from participating in bidding process in BSNL by any BSNL Unit & No any suit case in BSNL by any BSNL Unit or any other statutory Govt. Organization.
6. I/We the tenderer(s) am / are signing this document after carefully reading the contents.
7. I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof. **If I/We fails to enter into the agreement & commence the work in time the EMD/SD as deposited will stand forfeited to the BSNL.**
8. I/We declare that, I/We will fulfill / comply all the terms and conditions of the Clause by Clause Compliances, no deviation & no any addition/deletion/correction has been made in the downloaded tender document being submitted/uploading and it is identical to the tender document appearing on the website. In case of any corrections/addition /alteration /omission in the tender document, the tender bid shall be treated as non- responsive and shall be rejected summarily with black listing of bidder for any further work in BSNL.
9. I / we declare and certify that I / We have not made any misleading or false representation in the forms, statements and attachments in proof of the eligibility criteria requirements.
10. I/we also understand that, if any of the certificates submitted by us are found to be false / forged or incorrect at any time the award of the contract, it will lead to termination of the contract, along with forfeiture of EMD/SD and Performance guarantee be sides any other action provided in the contract.
11. I/We declare that, I/We will fulfill / comply all the terms and conditions of the provisions of Employees' Provident fund Scheme 1952 (EPF) & Misc. Provisions Act, 1952 with latest amendments in respect of labours / employees engaged by me/us for performing the works of BSNL.
12. I/We declare that, I/We will fulfill / comply all the terms and conditions of the provisions of Employee's Insurance ACT 1948 (ESI) & other Govt .Duty with latest amendments in respect of labours / employees engaged by me/us for performing the works of BSNL.
13. I/We declare that, I have sufficient capital resources to carry out operations and will make due payment, to our firms labour / employees assigned to execution of the tender no.-----
----- of BSNL CG (BSNL)
as per laws every month, insulating it from payments from BSNL. I/We also **under take** to perform in faithful & efficient manner the work of this tender without linking it to payments from BSNL.
14. I/We hereby confirm and declare that, my/our firm/company M/s.....
..... and my/ our firm/ group/ company/ sister concern / associate company have not been black listed/ de-listed or debarred put on holiday by any Institutional agencies/ Private/Govt. Deptt./ Public Sector Undertaking from participating in the tender, in last 7 year(my submitted experience certificate years as per experience clause in section 1 of NIT) as on DNIT.
i. If previously black listed / Barred pl providing details of same -----
ii. My/ Our firm / partner as not black listed/ Business Banning by any organization/ PSU/Govt. Body. From participating in the tender as on date.
(If this condition is come to notice at any time, during TOC, TEC & contract period, than entire amount of EMD, performance security Deposit & Bank Guarantee will be forfeited & all running contract shall be terminated.)
15. I/We also declare that, no store of BSNL will be pending with me/ us issued against completed/ terminated works of BSNL.
16. I/We declare that, in case it comes to the notice that the declaration/ documents/ information given by me/ us are false, the CGMT Chhattisgarh Telecom Circle Raipur is fully empowered to cancel my/our registration and can remove my/our name /Firm from the enlistment.
17. I/We hereby confirm and declare that, my/our firm/company M/s..... is /are not involved in any illegal activity and/or not charge sheeted for any criminal act of theft and/or diverting of fertilizers for industrial use or any other essential commodity during last five years.
18. I/We also declare that, none of my blood relative is working in the Bharat Sanchar Nigam Limited anywhere in India.

19. I/We further undertake that, in case any of the facts sworn in as mentioned above and any particulars mentioned in our application as found otherwise or incorrect or false any stage my / our firm /company shall stand debarred from the present and future tenders of the BSNL. Besides BSNL shall be entitled to take all such actions as may be deemed fit including termination of contract , if awarded , without any claim for any compensation whatsoever on account of such premature closure of the contract.
20. I/We declare that, all the information, Documents, Xerox copies of the Documents/ Certificates enclosed along with the Tender document are correct and if anything found false and/or incorrect and/or any suppression of fact is detected at any time, tender will be terminated and EMD/SD/Bills pending with Department will stand forfeited to BSNL and the contractor will be debarred from participation of any tender of this Department in future.
21. I/we know that, to swear a false affidavit is a crime under the law and with such knowledge only I have swear this Affidavit.
22. I/we declare that, the information and documents submitted along with the tender by me / us are correct and I / we are fully responsible for the correctness of the information and documents submitted by us.

Signature of the Bidder / Authorized person

(Full name & address with photo)

(Signature of the Proprietor/ Partner/ Director with seal)

DEPONENT

Verified at -----on-----that the contents of paras 1 to 22 of this affidavit are true and correct and no part of this is false and nothing material has been concealed or falsely stated therein.

I personally verified sign of authorized person Mr.-----

And his AADHAR CARD NO -----

Signature of the authorized person (Full name & address with photo)

(Signature of the Proprietor/ Partner/ Director with seal)

Witness

(Full name & address)

DEPONENT

(Signature & seal of Notary)

SECTION –XIII

CHECK LIST (To be filled by all Bidders)

Sl.No.	Details of Eligibility Documents	Uploaded (Yes/No)
1	EMD payment instrument/ BID Security declaration.	
2	Payment instrument for cost of the tender documents i.e. tender fee.	
3	AN AFFIDAVIT IS TO BE GIVEN BY THE PROPRIETOR /PARTNER'S / DIRECTORS DULY NOTARISED AFFIDAVIT IN NON-JUDICIAL STAMP PAPER/e-STAMP PAPER WORTH Rs.100.00 OR MORE as per format Section XII. (Dully Self attested and Notarised)	
4	Certificates of Incorporation / Registration of firm / valid Shop Act license / whichever is applicable. Article or Memorandum of Association or partnership deed or proprietorship deed as the case may be.	
5	The Bidder(s) must have minimum Average Annual financial turnover (to be submitted along with Balance Sheet certified by CA) during the last 3 years i.e. FY(2021-22,2022-23,2023-24) should be at least 40% of the estimated cost. Audited Annual Financial Reports (if applicable) for this is to be enclosed along with the bid to substantiate eligibility in this regard.	
6	Solvency Certificate from the nationalized/ scheduled bank of the bidder for 30% of the estimated tender cost for BA has to be submitted. The Solvency Certificate should not be older than 6(six) month from the date of issue of this Tender (DNIT).	
7	Income tax return for the last 3 years i.e. assessment year AY(2022-23, 2023-24 & 2024-25)	
8	Experience certificate as per Clause 4.4 and 4.5 of the DNIT	
9	Bidder performance should be satisfactory in respect of all works during current and last financial years. Regarding Satisfactory performance certificate signed by BA/unit head is required.	
10	ESIC registration Certificate or Workmen compensation insurance policy	
11	EPF registration Certificate.	
12	Power of Attorney & authorization for executing the power of Attorney in accordance with clause 4.6 of Section 1 or self declaration of not applicability of the firm.	
13	Clause by clause compliance as per section 7(D) & No deviation Statement as per Section- 7(E).	
14	Bidder's Profile & Questionnaire duly filled & signed as per Section -8	
15	Non-Relation Certificate duly filled & signed as per Section -6(B)	
16	Undertaking & declaration duly filled & signed as per Section -6(A)	
17	Upload Digitally/ink seal signed on each page Tender document	
18	The bidder(s) shall furnish a declaration in his tender bid that no addition /deletion / corrections have been made in the downloaded tender document being submitted and it is identical to the tender document appearing on the website	
19	Declaration regarding tender document has been read each page & accepted it. (Annexure- 6C attached)	

20	Tender/ Bid form- Section 9 Part A.	
21	Mandatory declaration regarding registration of its Udyam Registration Certificate (URC) issued by Ministry of Micro Small and Medium Enterprises (MSME) on Central Public Procurement portal (CPPP).	
22	A self-declaration along with the evidence that the bidder(s) is not black listed by GST authorities	
23	Valid PAN Number of the Company/all Directors/Partners/Proprietors as applicable.	
24	Valid Goods and Services Tax Registration Certificate (GST) No(s).	
25	An undertaking that the bidder(s) has not been black-listed by central/ state governments/ PSUs at the time of submission of bid.	
26	An undertaking that the Bidder(s) is NOT a Licensed Telecom Service Provider to provide Basic Services / Cellular Telephony Services / Internet Services/ UASL/ NLD/ ILD Services anywhere in India	
27	Bidder(s) should have office in the state of Chhattisgarh or he will submit an undertaking that he will establish his office in Chhattisgarh at the time of execution of agreement. Valid proof of office address is to be submitted.	
28	Copy of valid Labour License as a proof of Registration with Central Labour Commission (under Contract Labour Act 1970) for submitted work experience and an undertaking regarding new labour license will be submitted by bidder after finalization of tender	

Financial Bid:

S.No.	Details of Documents	Uploaded (Yes/No/NA)
	Financial bid uploaded online (pdf & excel sheet)	
1	Cluster-3 (Bilaspur OA)	
2	Cluster-5 (Surguja OA)	
3	Cluster-6 (Raigarh OA)	