



(A Government Of India Enterprise)

O/o The Sub-Divisional Engineer (Electrical)
BSNL Electrical Sub-Division
Dakhinkali Road, Dhenkanal.

Ph- 06762-227190,

#### **NIT NOTIFICATION**

The Sub-Divisional Engineer (Elect.), BSNL Electrical Sub-Division, Dhenkanal invites on behalf of the Bharat Sanchar Nigam Limited sealed item rate tenders for the following works from the contractors satisfying the under mentioned eligibility conditions: -

SI. No.	Name of work	Estimated cost.(Rs.)	E.M.D. (Rs).	Time allowed	NIT No.
1	Repairing of 48KVA oil cooled automatic voltage regulators of TE Benamunda under Keonjhar SSA.		441	7 days	NIT No- 35/BSNL/ED/CTC of 2019-20

Tender paper cost(Non refundable) Rs	177.00	
Last Date of receipt of application:-	29.07.2019	(upto 4.00PM)
Last Date of tender paper sale:-	29.07.2019	(upto 5.30PM)
Last Date of tender paper receipt:	30.07.2019	(upto 3.00PM)
Date of opening:-	30.07.2019	(at 3.30 PM).

Eligibility Criteria:-

- 1 The firm should have completed 3 similar nature of specialised works of EMS in BSNL.
- 2 All other terms & conditions as per BSNL ED-6 and BSNL EW-8 form.
- The tenderer shall submit the tender in 2 sealed covers marked as cover 1st and 2nd inscribing the name of work. Both should be separate & they should not be enclosed in common third cover. The first cover should contain the earnest money deposited in the shape of demand draft/pay order of a schedule bank/nationalized bank/state bank guaranteed by reserve bank of India drawn in favour of A.O (Cash)BSNL O/o GMTD, Cuttack. In case submitting tender down loading from web site, the 1st cover should contain DD towards cost of tender document and EMD drawn in favour of AO (Cash) BSNL. O/o GMTD Cuttack along with attested copy of eligible criteria. The second cover contains the tender documents. If the 1st cover is not annexed in proper form, the second form containing tender will not be opened at all.
  - Note:- I) The company or firm or any other person is not permitted to tender for work in BSNL unit in which his/her near relative(s) is(are) posted.
- 4 If the date of opening is declared as holiday, then the tender shall be opened on next working day.
- 5 If the performance of the contractor is not satisfactory his tender shall not be opened. EE(E)'s decision shall be final and binding.

#### Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Dhenkanal.

#### No:-21/BSNL/ESD/DKL/2019-20/45

Dt. 12.07.2019

- 1) SE(E), BSNL Electrical Circle, Bhubaneswar
- 2) The Executive Engineer(E) BSNL Electrical Division, Cuttack.
- 3-13). The Sub-Divisional Engineer(E) BSNL.E.S.D., Bhubaneswar-I/II/Cuttack-I/II/Balasore/Berhampur/Sambalpur-I/II/Rourkela./Koraput/Bolangir.
- 14) The Vigilance Officer, O/O the CGMT, Orissa Circle, Bhubaneswar.
- 15) The Accounts Officer, BSNL Electrical Division, Cuttack.
- 16) The A.O.(Cash), BSNL O/o GMTD, Cuttack.
- 17-18) The Notice Board/ Agreement.
- 19) website.(www.orissa.bsnl.co.in)
- 20) Contractors

#### CPWD - 6

# NOTICE INVITING TENDER BHARAT SANCHAR NIGAM LIMITED

( A Govt. of India Enterprise )

Item rate tenders are invited on behalf of the BSNL from eligible contractors for the work of :-

Repairing of 48KVA oil cooled automatic voltage regulators of TE Benamunda under Keonjhar SSA.

The work is estimated to cost Rs.

22055.00 This estimate however is given merely as a rough guide.

- 1) Tender will be issued to as per eligibility criteria completed work of magnitude as specificied in press notification at page No. 4.
- 2). Agreement shall be drawn with the successful tenderer on prescribed form no. 8 which is available as a Govt. of India publication, tender shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
- 3). The time allowed for carrying out the work is

7 days

- 4). The availability of individual site will be specified in the letter of intent.
- 5). Receipt of applications for issue of forms will be stopped by 1600 Hrs. two days before the date fixed for opening of tenders. Issue of tender forms will be stopped three days before the date fixed for opening of tenders. Tender documents consists of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of contract to be complied with by the whose tender may be accepted and other necessary document can be seen in the office of the Sub-Divisional Engineer (E),BSNL ELECTRICAL SUB-DIVISION, DHENKANAL between 11.00 AM & 04.00 PM every day except on Sunday and public Holiday. Tender documents, excluding standard form,will be issued from his office, during the hours specified above on payment of Rs. 177.00 only in D.D.in favour of the A.O.(Cash),BSNL O/o GMTD,Cuttack.
- 6). The tender must produce an Chattered Accountant certificate in the revised form as modified under Ministry of Finance O.M. No. 67/30/69/ITAL dated 02.07.1970 as amended from time to time before tender papers can be sold to him.
- 7). Tenders, which should always be in sealed envelope, with the name of work and due date written on the envelope, will be received by the Sub-Divisional Engineer(E), BSNL Electrical Sub-Division,

  Dhenkanal.up to 03.00 PM on

  30.07.2019

  and will be opened by him or his authorized representative in his office on the same day at 03.30 PM.
- 8). The tender shall be accompanied by earnest money (unless exempted ) of Rs. 441 in the form of DD of a scheduled Bank issued in favour of A.O (Cash) BSNL,O/o GMTD,Cuttack, the amount being credited to Nationalized Bank / State Bank.
- 9). The description of the work is a follows :-

Name of the work :-

Repairing of 48KVA oil cooled automatic voltage regulators of TE Benamunda under Keonjhar SSA.

Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above mentioned officer. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the ground and sub - soil. (so far as is practicable), the form and nature of the site, the means of access to the site the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water electricity access, facilities for workers and all other service required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plants, etc. will be issued to him by the department and local conditions and other factors having a bearing on the execution, of the work.

- 1 The competent authority on behalf of the BSNL does not bind himself to accept the lowest or any other tender and reserves to himself the authority to reject any or all the tenders received without the assignment of any reason. All tenderers in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the renderer shall be summarily rejected. The public enterprises that avail benefits of the purchase preference should be subjected to adequate penalties for cost overruns etc.
- 2 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who restore to canvassing will be liable to rejection.
- 3 The competent authority on behalf of BSNL reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

- The contractor shall not be permitted to tender for work in the BSNL (responsible for award and execution of contracts) in which his near relative is posted as divisional accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer(both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the BSNL or in the Ministry of communication. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
- No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering Department of he Government of India is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time 'to be such a person who had obtained the permission of the Government of 'India as aforesaid before submission of the tender or engagement in the contractor's service. The tender for the works shall remain open for acceptance for a period of ninety days from the date of opening of tenders. If any tender withdraws his tender before the said period or makes any notifications in the terms and condition of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50 % of the earnest money as aforesaid.
- 6 This Notice Inviting Tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority, shall , within 15 days from the stipulated date of start of the work sign the contract consisting of :
  - a) The Notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading there to.
  - b) Standard C.P.W.D. form 8.
- 7 TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR:
  - Without prtjudice of any of the rights or remedies under this contract, if the contractor dies the Engineer in charge on behalf of BSNL shall have the option of termination of the contract without compensation of the contractor.
- 8 INDULGING OF CONTRACTOR IN CRIMINAL/ANTISOCIAL ACTIVITIES AND CASES UNDER INVESTIGATION/ CHARGE SHEETED BY CBI OR ANY OTHER GOVT AGENCIES ETC.

If the CBI/independent external Monitor(IEM)/Incom Tax/Sales Tax/Central Excises/Custom Department recommends such a case, Action will be taken as per the direction of CBI or concrned department.

#### Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Dhenkanal.

# Near relative(s) of BSNL employee not permitted to tender :

The company or firm or any other person is not permitted to tender for works in BSNL unit in which hisnear relative(s) is (are) posted. The unit is defined as SSA/ Circle / Chief Engineer / Chief Architect / Corporate office for non-executive employees and all SSA in a circle including circle office / Chief Engineer/ Chief Architect/ Corporate office for executive employees (including those called as Gazetted officers at present). Therefore, it has been decided by the competent authority that a clause must be added in the tender and other related documents that the tenderer should give a certificate that none of his / her such near relatives is working in the units as defined above where he is going to apply for tender. In case of proprietorship form certificate will be given by the proprietor, for partnership firm certificate will be given by the partners and in case of limited company by all the directors of the company. Any breach of these conditions by the company or firm or any other person, the tender / work will be cancelled and earnest money / security deposited will be forfeited any stage whenever it is so notices. The department will not pay any damages to the company or firm or the concerned person. The company or firm or the person will also be debarred for further participation in the concerned unit.

# FORMAT OF THE CERTIFICATE TO BE GIVEN BY THE FIRM/ PERSON:

I	S/O	R/O
	here by certify that none of my relative(S)as defined I	below is/ are
employed in BSNL unit as per details given	in the tender documents. In case at any stage, it is for	ound that the
information given by me is false / incorrect, BS	SNL shall have absolute right to take any action as deeme	ed fit / without
any prior intimation to me.		

- a) Members of 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) & daughter's husband ( son-in law , brother(s) & brother's wife , sister(s) & sister's husband( brother in law).

#### **DECLARATION**

I								
the terms and co	nditions of co	ntracts for wor	k presently	prevailing in	the Civil Wing of	BSNL . I also	declare that,	I have
thoroughly gone	through the t	erms and agr	eements as	contained i	n various clause	s clauses ar	nd Sub - Clau	ses of
terms P.W.D 8	•	•						
contractor	)further	declare	that	while	submitting	the	tender	for
aforesaid terms accepted. I under	and condition	s of the contra	act and sha	ll be bound	to enter into the	agreement ints of constitution	n case my ter	nder is
						(1 5.11 5.19.15.		,

Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Dhenkanal.

# **GENERAL SPECIFICATIONS.**

- 1) The work shall be carried out as per current department / CPWD specifications.
- 2) Layout of the work shall be given at site of work by the Engineering in Charge or his duty authorized representative.
- 3) Samples of the all articles shall be got approved from the Engineer in Change before they are used.
- 4) The work shall be supervised by the qualified supervisor from the contractor's side.
- 5) Any damage done o the building / equipment of the department shall be made good by the contractor without any extra cost.
- 6) No T & P shall be issued to the contractor by the department.
- 7) Testing shall be done in the presence of the Engineering in Change or his duly authorized representative.
- 8) The contract shall stand for guarantee against defective materials of manufacturing defects and workmanship for the work carried out by him for the period of one year from it's commissioning & make good / repair / replace the faults during this period without any extra cost, failing which the same shall got done at the risk and cost of the contactor.
- 9) Security deposite of the contractor shall be released only after satisfactory completion of guarantee period.
- 10) Makes of product shall be as per product directory enclosed or approved by

Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Dhenkanal.

# "ESSENTIAL CONDITIONS OF CONTRACT"

The firm shall read care3fully the following conditions and shall quote accordingly conforming all the points in their offer. Firm should specifically note that if they do not enclose E.M.D. with their tender, their tender will not be opened at all.

- 1 TAXES AND DUTIES: The firm shall quote the rate each time on lump sum basis including all taxes levies and octroi as well as VAT applicable on the date of submitting this offer excluding GST/Service tax. Any stationary change by fresh order after opening of tender shall only be reimbursed as per actual on submission of proof in accordance with standing order No. 258. No concessional form shall be issued.
- 2 Loading, unloading, transportation, insurance etc. shall all be included in their offer.
- 3 All the materials will be under the charge of the contractor till it is completed and handed over . No materials will be removed from site without written permission of the Engineer in Charge.
- 4 Firm shall confirm to carry out the work as per the N.I.T. conditions.
- 5 PAYMENTS TERMS: No advance payments will be made. Stipulations like levy of interest if any payment is not made in specificied time is not acceptable to the department.
- 6 Offer should be clear. Any ambiguous offer is liable for rejection by the department. There will be no negotiation with the lowest tenderer. Hence the firms are requested to quote carefully. Department's decision in this regard shall be final and binding on the tenderer. Offer with condition will be summarily rejected.
- 7 GST: The rates offered by the firm shall be exclusive of GST as applicable. The firm shall claim GST with the bill clearly furnishing the complete details of GST tax so included.

# SPECIFICATION E.I & FANS:

- 1 The work is to be carried out as per CPWD specifications (External) and I.E Rule amended up to date.
- 2 Good workmanship is an essential requirement to be complied with. The entire work of manufacturer, fabrication, assembly and installation shall conform to sound engineering practice.
- 3 Rates quoted shall be inclusive of packing, forwarding, insurance, freight and delivery at site watch and ward of all materials.
- 4 All Sundry fittings, accessories, hardware items, foundation bolts, termination lugs for electrical connection as required and all other sundry items which are useful & necessary for proper assembly and efficient working of the various components of the works shall be deemed to have included in the tender.
- 5 Following works shall be carried out by the contractor and therefore their cost shall be deemed to be included in their tendered cost.
- a) The contractor shall be responsible for repairing all damages and restoring the same to their original finish. He shall also remove at his cost all unwanted and waste materials arising out of his work from his site.
- b) All chases required in connection with the electrical works shall be provided and filled by the contractor to the original finish.
- c) Temporary shed if required over the storage space and locking arrangement ,watch and ward of the materials shall be provided by firm till completion of the work and final taking over of the installation by the department.
- 6 The contractor shall employ qualified engineer? Supervisor as required and intimate names of such persons to the Engineer- in- Charge on commencement of work. Failure to employ will attract penalty as per agreement.
- 7 If any conduit is laid before award of work recovery for the same will be made from contractor at the rate of S.R. 94 + Abatement of respective S/H of this tender.
- 8 All non- metallic conduit pipes and accessories shall be of I.S.I marked, conduit accessories shall be of grip type / threaded type.
- 9 PVC conduit to be used shall be ISI marked heavy gauge and fire retardant quality.
- 10 The switch box shall be made of mild steel of size 16 / 18 SWG as per CPWD specification except the front side. The clear depth of M.S. switch shall not be less than 60 mm. Phenolic laminated sheet cover of 3 mm thick shall be provided in the front side of box.
- 11 Earthing shall be carried out in presence of representative of the department.
- 12 Numbering and sign writing of entire installation shall be carried out by the contractor as per instructions of the Engineering in- Charge for which nothing extra shall be paid.
- 13 On completion of installation following tests shall be carried out:;
  - a) Insulation resistance test.
  - b) Polarity test.
  - c) Earth continuity test.
  - d) Earth electrode resistance test.
- 14 On completion of electrical installation a certificate shall be furnished by the contractor in prescribed proforma, this certificate shall be in addition to the certificate required by local electric supply company.
- 15 Breaking capacity of MCBs should be 10 KA.

#### Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Dhenkanal.

# **SCHEDULE OF WORK** Repairing of 48KVA oil cooled automatic voltage regulators of TE Benamunda under Keonjhar SSA. Name of work: SI. Description of items Quantity Unit **Amount** Rate No. Dismaintaning of the 48KVA (3x16) oil cooled AVR after disconnecting all incoming & outgoing cables.testing the job with testing equipments, refixing, cleaning, necessary repairing/replacement of faulty components. Recommissioning of the AVR after connection of all incoming & outgoing connections, Checking the functional parameter without & with TE/BTS load complete as required. Job

2	Replacement of following faulty / damaged / burntout items with new one.				
	a) Servo motor -control card	3	Each		
	b) Servo Control synhronus motor for controlling				
	variac ( Torque >10 Kg)	3	Each		
	c)72mm x72mm 0-300V AC voltmeter.( AE or SS n	3	Each		
				Total Rs	

# ${\bf Sub\mbox{-}Divisional\mbox{ Engineer}(E),\mbox{ BSNL\mbox{ Electrical\mbox{ Sub\mbox{-}Division},\mbox{ Dhenkanal}.}}$

LIST OF APPROVED MAKES FOR E.I. & FAN, PUMP SET, COMPOUND LIGHT

C	LIST OF APPROVED MAKES FOR E.I. & FAN, PUMP	
SI.	Item	Name of Manufacturer
No.	ACB	L 9 T / Sigmongs /Control 9 Switchgaar / Schapidar/ CF
1	ACB	L & T / Siemence /Control & Switchgear / Schneider/ GE Power Control
2	MCCB	L & T / Siemence / Control & Switchgear / Schneider/ GE
_		Power Controls.
3	TPN Switches & HRC fuses	Siemence / L & T / Havels/ HH Elcon/ Schneider/ Standard
		(Upto 400A)/ GE Power controls
4	C.T.	AE / IMP / Marshal / Pactil / Kappa / L &T/ Ashmor / Indcoil /
		Waco / Meco
5	Ammeter / Voltmeter	AE / IMP / Universal/ Reshabh /Kaycee / Meco / Enercon.
6	Selector Switch	L&T / KEYCEE/ AE/ IMP/ THAKOOR/ Reco/ Vaishno/ Salzor/
U	Selector Switch	Rass Control
7	INDICATING LAMP	Vaishno/ Siemens/ L&T / AE/ IMP/ Rass Control / Teknic /
•	THE TOTAL THE ENTIRE THE TENTH OF THE TENTH	Schneider / Kaycee.
8	LED based aviation lamp	M/S. G.S. Enterprises/ M/S. Insta Power/ Shrigauri
9	CAPACITOR (APP Type)	Khatau Junkar/ Shneider / L & T / Universal Electric / Usha /
Ū	on non on (har hypo)	Asian / AE/ IMP.
10	Cable ISI Mark	
	(a) upto 1.1 KV grade.	ISI Marked
	(b) Above 1.1 KV grade.	ISI Marked
11	PVC insul. Cu cond wire	Havell, Anchor, L &T, Phinolex, Polycab
12	Fire Extinguisher	ISI Marked
13	Rubber Matting	ISI Marked
14	Cable joint Kit	Raychem / M- Seal / DENSONs
15 16	Single phasing preventor Timer	L & T / Siemens / Minilac / Zerotrip
16 17	MCBs / Isolators &	L & T / Siemens / Minilac / Telemechanique / AE.
17	Distribution Board.	Benetex / Clariton/ Havells / Seimens / Standard/ Shneider /
18	Change Over Switch	Standard / Havells/ Control and Switch Gear / H-H Elecon.
19	Piano Switch	ISI Marked
20	Mono Block pump set	Beacon / Batliboi / Kirloskar / Jyoti / Mather & Platt / KSB /
-	, ,	Crompton / WASP / BE / PEC.
21	Starter	L & T / Siemens / BCH /ABB /MEI /GE Power Control.
22	G.I / M.S Pipe	BST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA
_	Foot valve	ISI Marked
24	Gate Valve	Sant / Leader / Tishul / Fountain / Annapurna.
	M.S. Conduit	Siddharth, Nice
	PVC conduit	ISI Marked
27	Submersible pump	KSB / Calama / Amrut / Kirloskar / PEC / BE.
28	ELCB	Standard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.
		CONTIONS / TIFL- TECHNO.

# Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Dhenkanal.

# PROFORMA OF SCHEDULES

(Operative Schedules to be supplied separately to each intending tenderer)

#### **SCHEDULE 'A'**

Schedule of quantities : Enclosed.

# **SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

SI. No.	Description of item	Quantity	Rates in figures and words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5

# SCHEDULE 'C'

Tools and plants to be hired to the contractor

SI.	Description of item	Hire charges per day	Place of Issue			
No.						
1	2	3	4			
	NIL					

# SCHEDULE 'D'

Extra schedule for specific requirement/documents for the work if any.

- A. General conditions & specifications: Enclosed
- B. List of approved makes: Enclosed
- C. Correction slips: Enclosed

#### SCHEDULE 'F'

Reference to General Conditions of contract.

Name of work: Repairing of 48KVA oil cooled automatic voltage regulators

of TE Benamunda under Keonjhar SSA.

Estimated cost of work: 22055.00 441 Earnest money:

Security Deposit: 5 % of the tendered value of the work.

Performance guarantee

5% of the tendered value of the work. The same to be

submitted to EE(E) within 15 days after receipt of award letter

10%

**GENERAL RULES and DIRECTIONS:** 

Officer inviting tender: Sub-Divisional Engineer(E), BSNL Electrical Sub-Division,

Dhenkanal.

Maximum percentage for quantity of items of work to be executed beyond which rates are to be

determined in accordance with clauses 12.2 and 12.3.

25%

**Definitions:** 

2(v) Engineer-in-Charge Sub-Divisional Engineer(E), BSNL Electrical Sub-Division,

Dhenkanal.

2(viii) Accepting Authority Sub-Divisional Engineer(E), BSNL Electrical Sub-Division,

Dhenkanal.

2(x) Percentage on cost of materials and labour to

SR-INTERNAL-2007 & SR-EXTERNAL-2007

2(xii) Department

cover all overheads and profits.

2(xi) Standard Schedule of Rates

**BSNL** 

9(ii) Standard CPWD contract Form CPWD Form 8 as modified & corrected unto date Clause 2 Authority for fixing compensation under Clause 2. Superintending Engineer (E), BSNL Electrical Circle, Clause 5 7 days Time allowed for execution of work. Authority to give fair and reasonable extension of time for completion of work. Clause 7 Gross work to be done together with net payment/ As Applicable. adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment. Clause 11 Specifications to be followed for execution of work CPWD internal and external specification up to date Clause 12 SR-INTERNAL-2007 & SR-12.1.2 (iii) Schedule of rates for determining rates for additional, altered or, substituted items that cannot be EXTERNAL-2007 determined under 12.1.2 (i)and(ii) 12.1.2 (iii) ± the % over the rate entered in the schedule NA of rates. 12.1.2 (vi) A. Deviation Limit beyond which sub-clauses 25% (i) to (v) shall not apply and clauses 12.2 and 12.3 shall apply NA 12.1.2 (vi) B(a). Limit for value of any item of any individual trade beyond which sub-clauses (i) to (v) shall not apply and clauses 12.2 and 12,3 shall apply. Clause 16 Competent Authority for deciding reduced rates. Superintending Engineer (E), BSNL Electrical Circle, Bhubaneswar. Clause 36 (i) Minimum Qualifications and experience required for Principal Technical Representative. a) For works with estimated cost put to tender more than i) Rs. 10 lakhs for Civil work Graduate or retired AE possessing at least ii) Rs. 5 Lakhs for Elect/ Mech.Works recognised diploma b) For works with estimated cost put to tender more than i) Rs. 5 lakhs but less than Rs. 10 lakhs for Civil works Recognised diploma holder ii) Rs. 1 lakh but less than Rs.5 Lakhs for Elect/ Mech. Works c) Discipline to which the Principal Technical Representative should :Electrical/ Mechanical belong. d) Minimum experience of works : Three (3) years. e) Recovery to be effected from the contractor in the event of not :Rs.4,000/- p.m. for Graduate Rs 2,000/- p.m for fulfilling provision of clause 36(1) Diploma holder