



:020-26133148  
: 020-26052869

**REGSDS / BY POST**

Superintending Technical Examiner (SC)  
PCDA (SC) Complex, No.1, Finance Road  
Pune – 411 001

1147/40/ 02 /Q/ADGTE

Nov 2018

Garrison Engineer  
Dronachal Top, Neori Hills  
Bhopal- 462 038

**SITE VISIT : CEBZ/BPL-08 OF 2017-18**

1. Refer inspection conducted by STE team on 25 Oct 2018.
2. The copy of factual statement of the work is held on your record. The obsns on account of above mentioned visit are enclosed as Appendix 'A'. The obsns apply to the entire work except where otherwise specially mentioned. No action for price adjustment/deviation has been initiated till date of insp.
3. Please take suitable action to get the defective work rectified as mentioned on factual notes/obsns and ensure compliance. If, however, the defects are not rectifiable and the defective work as executed is technically acceptable to you, please forward the details of overpayments invoiced for such defective work accepted.
4. Please ref to E-in-C's Branch letter No 41000/E4 dated 14 Oct 1981 and take necessary further action to ensure that the defects are not allowed in the current works in your area and remedial actions are taken. This should be taken in other cases also including financial recovery.
5. Please furnish your specific replies to obsns within 06 weeks failing which the matter may have to be reported to Higher Authorities. In this connection please ref to Sec 23 of Manual of Contracts, 2007.

(Satish Chander, IDSE)  
STE SC, Pune

Encls : As above

**Copy to :-**

HQ ADGTE, New Delhi

.. For info & necessary action alongwith obsns.

HQ CE Bhopal Zone  
Bhopal  
PIN – 900 236  
C/o 56 APO

1. For info & necessary action. Obsn may please be replied incl conditions.

CWE Bhopal  
PIN – 900 236  
C/o 56 APO

2. Please refer to Sec 23 of Manual of Contracts, 2007 and issue suitable instruction to all other GEs under you with a view to prevent acceptance of similar defective work in those divisions where such defects are suspected to be occurring. Financial recoveries as applicable may be effected in similar works also.

Station HQ  
Dronachal – 462 038

3. Systematic corrective measures be instituted in all units of your AOR (Area of Responsibility).

**SUPERINTENDING TECHNICAL EXAMINER**  
**(SOUTHERN COMMAND) PUNE**  
**NO. 01 FINANCE ROAD, PCDA (SC) COMPLEX, PUNE - 411 001**

**TECHNICAL EXAMINATION OF CONTRACTS / WORKS / FINAL BILLS**

<b>CA No</b>	CEBZ/BPL-08 OF 2017-18	<b>Amount (in lakhs)</b>	₹ 355.11 lakhs	<b>Location</b>	Dronachal		
<b>Name of Work</b>	Provn of RCC Pillar and boundary wall with barbed wire fencing at Bhopal						
(a)	<b>Contractor</b>	M/s Poonam Electric Industries					
(b)	<b>Date of Commencement</b>	21 Jun 2017					
(c)	<b>Completion as per CA</b>	20 Jun 2018					
(d)	<b>Extended date of completion</b>	-					
(e)	<b>Actual date of Completion</b>	18 Jun 2018 (Work foreclosed)					
(f)	<b>DV No &amp; Date of final bill if paid</b>	-					
(g)	<b>Whether ADGTE visited project (if yes, date)</b>	-					
(h)	<b>Name of STE / TE</b>	<b>Name of MES Offrs Accompanying</b>					
	Shri Satish Chander, IDSE, STE SC Pune Lt Col Bhaskar Rautela, TE Shri Manish Raj, IDSE, EE(SG), TE	Lt Col Raju B, GE Dronachal Shri Jitendra Kumar Meena, AGE B/R-II					
(k)	<b>Inspection Summary :</b>						
	<b>No Inspection</b>	<b>Ist Check</b>		<b>2<sup>nd</sup> Check</b>		<b>3<sup>rd</sup> Check</b>	
(i)	<b>Date of Check</b>	25 Oct 2018		-		-	
(ii)	<b>Progress %</b>	<b>Actual</b>	<b>Target</b>	<b>Actual</b>	<b>Target</b>	<b>Actual</b>	<b>Target</b>
	100%	-	-	-	-	-	-
(iii)	<b>Obsn Nos Raised</b>	<b>Ist</b>	<b>19</b>	<b>2<sup>nd</sup></b>	<b>14</b>	<b>3<sup>rd</sup></b>	<b>-</b>
(iv)	<b>Total Obsn Raised</b>	15					
(v)		<b>Minor</b>	<b>Maj</b>	<b>Adv</b>	<b>Minor</b>	<b>Maj</b>	<b>Adv</b>
		-	19	-	-	-	-
(vi)	<b>Obsn Split</b>	<b>B/R</b>		<b>E/M</b>		<b>B/R</b>	
(vii)		15		-		06	
(viii)	<b>Total Settled</b>	15		-		-	
(ix)	<b>Outstanding Obsn</b>	15		-		06	
(x)	<b>Outstanding Obsn (Check wise)</b>	15		-		06	
(xi)		<b>IRNR</b>		-		<b>IRNR</b>	
(xii)	<b>Net Outstanding Obsns</b>	15					
(xiii)	<b>Date of Expiry of DLP (where wk 100% completed)</b>	17 Jun 2019					

CA No : CEBZ/BPL-08 OF 2017-18  
Name of Work : Provn of RCC Pillar and boundary wall with barbed wire fencing at Bhopal  
Amount in lakhs : ₹. 355.11 Lakhs

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**OBSNS ON ADM APPROVAL, PLG & TS**

-NIL –

**OBSERVATION ON CONTRACT & SITE DOCUMENT**

-NIL –

**OBSERVATION ON SITE INSPECTION (MAJOR)**

1. **Obsn No 01. Column Near Gate.** Column at main gate found twisted and out of plumb. Gap between the column of main gate and column of small gate found varying from 36 mm to 65 mm. In view of the above, please rectify the defects & intimate cost. Also accept penal recover of ₹. 5,000/- for poor workmanship.

2. **Obsn No 02 : Reinforcement** . Column Reinforcement near main gate and certain other places found uncut or not properly cut. Repair to column not properly done and at certain places not repaired at all. Please identify the defective area, carry out rectification & intimate cost.

3. **Obsn no 03 : 'Y' Angle Iron Arm.** 'Y' Angle found provided having length of two arms 600 mm each. Angle iron having size of 50 x 50 x 4.9 mm, make 'Kamdhenu', ISI mark. Angle iron found rusted and only one coat of painting done. Welding of 'Y' arm has not been properly done at places. In view of the above, carry out the following :-

(a) Please carry out repainting of all 'Y' angle & intimate cost.

(b) Identify defective area where welding not properly carried out, carry out rectification & intimate cost.

(c) Please fwd PV & TC.

4. **Obsn No 4 : Barbed Wire.** Galvanised two strand of Barbed wire having dia 2.69 mm in lieu of 2.24 mm, barb having dia 2.39 mm in lieu of 2 mm & barbs at a distance of 80mm instead of 75 mm found provided. Barbed wire found loose and rusted at places. In view of the above, carry out the following :-

(a) Replace rusted barbed wire & intimate cost.

(b) Replace barbed wire with the specification mentioned in CA or accept appropriate recovery if the same is technically acceptable to GE.

5. **Obsn No 05 : Plaster.** 15 mm thick plaster provided. Plaster found undulating at places. Painting of wall found patchy and not properly done. Please carry out the following :-
- Rectify plaster & intimate cost.
  - Please carry out painting of the wall and intimate cost.
  - Please accept penal recovery of ` 5,000/- for poor workmanship.
6. **Obsn No 06 : Dwarf Wall.** No dwarf wall found provided below plinth beam. The security wall can easily be breached by digging below the plinth beam. Hence, it is requested that comments of AO may be forwarded as to why dwarf wall has not been included below the plinth beam.
7. **Obsn No 07 : Steel Gate.** Gate made using hollow MS section of size 49 x 30 mm. Make 'Prakash Surya', ISI Mark. Square bar of size 16 x 16 mm found used for making gate. Please fwd PV &TC.
8. **Obsn No 08 : Expansion Joint.** Expansion Joints of size 70-80 mm in lieu of 40 mm found at some locations. Expansion joints not filled at any place. Please identify defective areas and fill wide expansion joint with filler material & intimate cost. Also accept lump sum penal recovery of ` 5,000/- on account of poor workmanship.
9. **Obsn No 09 : Cement.** Cement having make 'M/s Birla Uttam' PPC found procured from manufacturer. Independent test carried out. However, cement of make 'Prism Cement' found procured from local dealer. Total cement procured from local dealer is 500 bags. As per PS Clause 4.2.1 cement need to be procured only from authorized distributor / dealer of the approved firms. Fwd reasons for violating contract provisions & accept recovery @ 10% of cost of cement procured from local dealers. Fwd the test report of each cement lot.
10. **Obsn No 10 : Steel.** Steel Procured directly from 'Jai Balaji Industries'. Independent testing for all lots not carried out. Steel register not maintained, please update the same & confirm. Also accept penal recovery of ` 5,000/- for not carrying out independent testing.
11. **Obsn No 11 : Brick.** Bricks testing register not maintained properly. Please update the same & confirm.
12. **Obsn No 12 : Cube Test.** Cube Test Register not found maintained. It is not understood as to how the quality of concrete produced has been ascertained at site. Fwd your reply through AO. You are also requested to work out number of cubes required as per Clause No 15.2.2 of IS-456 based on concrete pouring register and fwd same alongwith cubes casted and tested as per cube testing register duly signed by GE. Recover the cost of cubes less casted & tested.
13. **Obsn No 13 : Site Visit by CE & CWE.** The work was commenced on 21 Jun 2017 and the work has been foreclosed. During the site visit, no remarks and signatures of CE & CWE found endorsed in the Site Order Book. As per works Diary CE has visited only once and CWE visited the site nine times from the date of commencement of work. Also Appx "F" not found filled and signed by GE, CWE and Chief Engineer (their respective part of Appx "F") and also not kept on record at site. In this connection, refer ADGTE, QMG's Br, MoD, New Delhi letter No 98148/Policy/60/Q/ADGTE dated 09 Sep 2014.

Please take suitable action in this regard and fwd comments through Chief Engineer for our perusal. ..3/-

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14. **Obsn No 14 : Site Engineers.** Please fwd details & mode of payment made by contractor to the site engineer. Please fwd above mentioned documents duly counter signed by GE & contractor for our perusal.

15. **Obsn No 15 : PVs &TCs.** Please fwd PV &TC of all items.

(Satish Chander, IDSE)  
STE SC Pune

**MINOR OBSERVATION**

CA No : CEBZ/BPL-08 OF 2017-18

Name of Work : Provn of RCC Pillar and boundary wall with barbed wire fencing at Bhopal

Amount in lakhs : \. 355.11 Lakhs

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**-NIL-**

(Satish Chander, IDSE)  
STE SC Pune

IMPORTANT OBSERVATION

CA No : CEBZ/BPL-08 OF 2017-18

Name of Work : Provn of RCC Pillar and boundary wall with barbed wire fencing at Bhopal

Amount in lakhs : ₹. 355.11 Lakhs

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3. **Obsn No 08 : Expansion Joint.** Expansion Joints of size 70-80 mm in lieu of 40 mm found at some locations. Expansion joints not filled at any place. Please identify defective areas and fill wide expansion joint with filler material & intimate cost. Also accept lump sum penal recovery of ₹. 5,000/- on account of poor workmanship.
4. **Obsn No 12 : Cube Test.** Cube Test Register not found maintained. It is not understood as to how the quality of concrete produced has been ascertained at site. Fwd your reply through AO. You are also requested to work out number of cubes required as per Clause No 15.2.2 of IS-456 based on concrete pouring register and fwd same alongwith cubes casted and tested as per cube testing register duly signed by GE. Recover the cost of cubes less casted & tested.
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(Satish Chander, IDSE)  
STE SC Pune