



: 020-26133148

: 020-26052869

REGD SDS / BY POST

Superintending Technical Examiner (SC)

PCDA (SC) Complex, No.1, Finance Road

Pune – 411 001

1251/559/ 02/Q/ADGTE

Oct 2018

Garrison Engineer
Nasik Road
PIN – 900 482
C/o 56 APO

SITE VISIT : CEPZ/DEO-01 OF 2017-18

1. Refer inspection conducted by STE team on 26-27 Sep 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 alongwith copy of obsns.

HQ CE Pune Zone
Pune – 411 001

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

CWE Deolali
PIN – 900 402
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
Deolali – 422 401

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

CA No	CEPZ/DEO-01 OF 2017-18	Amount (in lakhs)	721.00 lakhs	Location	Nasik Road				
Name of Work	Construction of Hanger at Nasik Road								
(a)	Contractor	M/s Anand Trading Company							
(b)	Date of Commencement	18 Apr 2017							
(c)	Completion as per CA	17 Apr 2018							
(d)	Extended date of completion	24 Sep 2018							
(e)	Actual date of Completion	-							
(f)	DV No & Date of final bill if paid	-							
(g)	Whether ADGTE visited project (if yes, date)	-							
(h)	Name of STE / TE	Name of MES Offrs Accompanying							
	Shri Satish Chander, IDSE, STE SC Pune Shri D Sursh Reddy, IDSE, SE (NF), TE Lt Col Bhaskar Rautela, TE Shri Manish Raj, IDSE, EE (SG), TE	Shri RR Meena, IDSE, EE(SG), GE Capt Rakesh Kumar, AGE B/R Shri Manohar Wagavkar, AGE E/M							
(k)	Inspection Summary :								
	No Inspection	Ist Check		2nd Check		3rd Check			
(i)	Date of Check	26-27 Sep 2018		-		-			
(ii)	Progress %	Actual	Target	Actual	Target	Actual	Target		
	58%	-	-	-	-	-	-		
(iii)	Obsn Nos Raised	Ist	16	2nd	-	3rd	-		
(iv)	Total Obsn Raised	16							
(v)		Minor	Maj	Adv	Minor	Maj	Adv		
		-	16	-	-	-	-		
(vi)	Obsn Split	B/R		E/M		B/R		E/M	
(vii)		16		-		-		-	
(viii)	Total Settled	-		-		-		-	
(ix)	Outstanding Obsn	16		-		-		-	
(x)	Outstanding Obsn (Check wise)	16		-		-		-	
(xi)		IRNR		-		IRNR		-	
(xii)	Net Outstanding Obsns	16							
(xiii)	Date of Expiry of DLP (where wk 100% completed)	-							

CA No : CEPZ/DEO-01 2017-18
Name of Work : Construction of Hanger at Nasik Road
Amount in Lakhs : ₹. 721.00 Lakhs

OBSNS ON ADM APPROVAL, PLG & TS

-NIL -

OBSERVATION ON CONTRACT & SITE DOCUMENT

-NIL -

OBSERVATION ON SITE INSPECTION (MAJOR)

1. **Obsn No 01 : PEB Hanger.**

(a) Main stanchion thickness found 15.65 mm and section found 84 x 32.5 cm. 6 bolts found provided. Make & ISI mark not found on main girders & bolts/ nuts. Please fwd acceptance criteria along with test certificates, as sections are not ISI marked. Fwd reply through CE.

(b) Primer found carried out to the steel sections. Paint found removed and sections are rusted at places. Identify similar defects & rectify them duly intimating cost.

(c) Span of PEB hanger found 32 mtr from center to center of stanchion. Distance between center to center crane of gantry girder found 30.5 mtr (Approx) but 32 mtr span crane found catered in the contract. Height of crane girder checked and found 4.5 mtr between sub base & bottom of girder. As per CA, hook height should be at 4.5 mtr. Fwd reasons for the deviation and confirm that this reduced span crane is sufficient. Initiate minus DO. Also ensure and confirm that hook height is maintained as per user's requirement and CA provisions.

(d) Bolts 15.7 mm dia and 24 mm dia of make 'GFL', non ISI marked found lying at site. Please replace these with ISI marked bolts and nuts. Intimate cost.

2. **Obsn No 02 : PEB.** PEB design found approved from 'Saxena Marine Tech (P) Ltd' and found vetted by IIT, Roorkee. PEB structural elements found supplied by 'M/s Richa Industries Ltd'. Steel plates / sections found procured from SAIL & TATA. Test reports of fabricated PEBs by manufacturer (SAIL & TATA) produced. Please forward the acceptance criteria of PEB sections duly supported with test certificates. Fwd your reply through CE.

3. **Obsn No 03 : PCC Sub Base.** PCC Sub base (DLC) found carried out and surface found undulated at places. Rectify defects & intimate cost.

4. **Obsn No 04 : Annexe.** Single storey RCC framed structure annexe found constructed on both sides of hanger. Walls found plastered and internal walls found finished with putty. Cracks observed on plastered surface. Identify similar defects & rectify them duly intimating cost.

5. **Obsn No 05 : Aluminium Door.**

(a) Power coated aluminium door found provided. Make could not be ascertained. Tinted glass found used for panels. Thickness could not be ascertained. PVC beading came out and not found fixed properly at places. Gaps observed all around the frame and not filled. Please rectify defects & intimate cost.

(b) Door spring of Make Dharm, non-ISI marked found used for door. Please replace these with ISI marked door springs and intimate cost.

(c) Fwd PV & TC.

6. **Obsn No 06 : Vitrified Tile Flooring.** Vitrified tiles 600 x 600 mm x 9.8 mm thick and of make 'Somani' found provided for flooring. Tiles not found fixed properly and hollow sound observed at places. Joints found wider and gaps not found filled properly. Please identify similar defects and rectify them. Intimate cost.

7. **Obsn No 07 : Aluminium Window.** 3 track aluminium powder coated sliding windows found provided. Gaps observed all around the frame and joints are not properly finished. Gaps around the frame are not filled. Make of aluminium sections could not be ascertained. Please identify similar defects & rectify them. Intimate cost. Also fwd PV & TC.

8. **Obsn No 08 : Windows Cill.** 18 to 20 mm thick Kota stone cill found provided for windows. End bearing not found provided and stone cill is flushed on both sides. Rounding of Kota stone not done. Please identify similar defects and rectify them. Intimate cost.

9. **Obsn No 09 : Roof Treatment.** App membrane of make 'IWL' found provided for roof treatment. Aluminium paint found carried out and found patchy at places. Please redo one more coat of paint & intimate cost.

10. **Obsn No 10 : Rain Water Pipe.** SWR pipes found catered for PEB hangar portion and rain water is allowed to flow over the roof of annexe as free flow. This will damage the approach road to the annexe. Please provide SWR pipes suitably to channelise rain water on to the ground level so as to avoid free flow thereby minimizing road damage. Intimate cost.

11. **Obsn No 11 : Road.**

(a) Bitumen premix carpet found carried out. Thickness randomly checked and found 39 mm, 40 mm. Stone chips found coming out at places from the surface and carpet found depressed / damaged at places. Please identify similar defects & rectify them. Intimate cost.

(b) Mix design and test reports of bitumen premix carpet not produced. Fwd the test reports.

12. **Obsn No 12 : Static Water Tank.** A semi underground RCC static water tank found constructed. Approach road not found provided. Provide approach path & intimate cost.

13. **Obsn No 13 : Site Documents.**

(a) Cement. Cement found procured from 'Manikgarh Cement Unit-III'. BIRLA Gold, OPC-43 Grade. Independent test certificates not produced.

(b) Steel. Reinforcement bars procured from 'Shri Bajarang Power and Ispat Ltd.' TMT-500D. Independent test certificates not produced.

(c) Hindrance. No entries found. Please confirm that there are no hindrances. Please update all site documents and confirm through CWE.

14. **Obsn No 14 : Site Engineers.** Following site engineers found deployed at site :-

- (a) Mr. Ashish Rajaram Pagare
- (b) Mr. Sachin Balasaheb Nikam
- (c) Mr. Shubham Kumar
- (d) Mr. Dhanraj Bhausahab Fate

Degree/Diploma Qualification, Certificates, Payment Details of above Site Engineers were not found attached with factual notes. Please fwd the above mentioned documents duly endorsed for our perusal.

15. **Obsn No 15 : ITI Qualified Tradesmen.** The numbers of ITI qualified tradesmen employed at site found not adequate as per CA clause 36 at Ser Page No 95. The respective CA clause stipulates that the number of ITI/NICMAR/NAC qualified tradesmen shall not be less than 25% of total skilled/semi-skilled tradesmen required in each trade. Please give reasons for such deviation from CA & forward your comments through AO alongwith minus DO on this account.

16. **Obsn No 16 : Site Lab.** No site lab found at site. As per clause 35 of CA, contractor has to establish site lab with the specified testing equipments to carryout tests and has to maintain till completion of work. Please explain reasons for deviation of CA provisions and establish lab with all testing equipment as per CA. Confirm & fwd reply through CE.

(Satish Chander, IDSE)
STE SC Pune

MINOR OBSERVATIONS

CA No : CEPZ/DEO-01 2017-18
Name of Work : Construction of Hanger at Nasik Road
Amount in Lakhs : ₹. 721.00 Lakhs

-NIL -

(Satish Chander, IDSE)
STE SC Pune

IMPORTANT OBSERVATIONS

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