



: 020-26133148

: 020-26052869

REGSDS / BY POST

Superintending Technical Examiner (SC)

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

Pune – 411 001

2101/553/ 02/Q/ADGTE

Dec 2018

Garrison Engineer (I) Navy
Valsura, Jamnagar – 361 150

SITE VISIT : CE (NW)/KOCHI/JAM-52 OF 2017-18

1. Refer inspection conducted by STE team on 26 Nov 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 (NW)
Naval Base PO
Kochi – 682 004

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

Stn HQ, Valsura
Jamnagar
PIN- 900 263
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.

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	CE(NW)/KOCHI/JAM-52 OF 2017-18	Amount (in lakhs)	392.22 lakhs	Loc	Jamnagar		
Name of Work	Demolition & Reconstruction of certain Junior Sailors Md Accn at INS Valsura, Jamnagar.						
(a)	Contractor	M/s Vijay Infra Projects Pvt, Ltd					
(b)	Date of Commencement	10 Nov 2017					
(c)	Completion as per CA	03 May 2019					
(d)	Extended date of completion	-					
(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 Lt Col Bhaskar Rautela, TE Shri Manish Raj, IDSE, TE Lt Col Pankaj Jaswal, TE	Lt Col Amrik Singh, GE Shri Bhupinder Singh, AGE B/R Shri G S Ambaldhage, AGE E/M					
(k)	Inspection Summary :						
	No Inspection	Ist Check		2nd Check		3rd Check	
(i)	Date of Check	26 Nov 2018		-		-	
(ii)	Progress %	Actual	Target	Actual	Target	Actual	Target
	45%	-	-	100%	-	-	-
(iii)	Obsn Nos Raised	Ist	17	2nd	-	3rd	-
(iv)	Total Obsn Raised	17					
(v)		<u>Minor</u>	<u>Maj</u>	<u>Adv</u>	<u>Minor</u>	<u>Maj</u>	<u>Adv</u>
		-	-	-	-	-	-
(vi)	Obsn Split	B/R		E/M		B/R	
(vii)		15		02		-	
(viii)	Total Settled	-		-		-	
(ix)	Outstanding Obsn	15		02		-	
(x)	Outstanding Obsn (Check wise)	15		02		-	
(xi)		IRNR		17		IRNR	
(xii)	Net Outstanding Obsns	17					
(xiii)	Date of Expiry of DLP (where wk 100% completed)	-					

CA No : CE(NW)/KOCHI/JAM-52 of 2017-18
Name of Work : Demolition & Reconstruction of certain Junior Sailors Md Accn at
INS Valsura, Jamnagar.
Amount in lakhs : ₹. 392.22 Lakhs

OBSNS ON ADM APPROVAL, PLG & TS

-NIL –

OBSERVATION ON CONTRACT & SITE DOCUMENT

-NIL –

OBSERVATION ON SITE INSPECTION (MAJOR)

1. **Obsn No 01 : Tile in Sample Quarter.**

- (a) Ceramic tiles of size 300 x 450 mm, of thickness 9 mm and make 'Orient Bell' found provided on bathroom wall.
- (b) Non-skid floor tiles of size 300 x 300 mm and make 'Orient Bell' found provided on bathroom floor.
- (c) Kitchen wall tile found provided of size 300 x 450 mm, thickness 9 mm and make 'Orient Bell'. Designer wall tile are not at same height in the kitchen which is not giving a good look.
- (d) Floor tiles of size 600 x 600 mm, thickness 9.2 mm, make 'Orient Bell' found at site.

In view of above carry out the following :-

- (i) Please fwd PV & TC
- (ii) Advisory. Please provide designer tile at same height all along the kitchen wall for aesthetic look.

2. **Obsn No 02 : Kitchen Granite Slab in Sample Quarter.** 18.5 mm thick granite slab of inferior quality found provided. Joints have not been properly filled. Please replace the granite slab with better quality and intimate cost along with photographs.

3. **Obsn No 03 : Window Cill in Sample Quarter.** Window cill of kota stone of thickness 22 mm found provided. End bearing not provided. Please provide end bearing and fwd rectification cost.

4. **Obsn No 04 : Door frame in Sample Quarter.** MS pressed steel door frames found made of thickness 1.7 mm. Steel door frame not filled properly and hollow sound observed at places. Make of door frame could not be ascertained. Hold fast of thickness 1.27 mm found provided. Please fill the door frame properly, provide proper holdfast and intimate cost.

5. **Obsn No 05 : PCC Block Masonry.** Gaps have not been filled properly between Beam and PCC block. PCC block not properly joined using mortar and joints found wide. Please rectify the defects & intimate cost.

6. **Obsn No 06 : Steel.** TMT Bars of make 'Gallantt TMX CRS', ISI mark found provided. Steel found lying on dunnage and cement slurry not adequately provided. Please cover the steel properly with cement slurry and also fwd PV & TC.

7. **Obsn No 07 : Steel Reinforcement.** RCC columns have stirrups which have been provided with less development length of 60-80 mm. Stirrups/links found bent at 90⁰ angle in lieu of 135⁰. RCC column found twisted. The TMT bar found rusted and adequate cement slurry not provided on them.

In view of above carry out the following :-

- (a) Please replace stirrups with proper development length and intimate cost.
- (b) Please carry out rectification of all twisted columns, fwd rectification cost along with photographs.
- (c) Also accept penal recovery of ` 5,000/- for poor workmanship.

8. **Obsn No 08 : RCC Columns.** Mumty columns found twisted and honey combing observed. Date of casting on RCC not found written. Hacking not carried out at some columns.

In view of above carry out the following:-

- (a) Please rectify the twisted columns and intimate cost.
- (b) Please carry out hacking, repair of honeycombing wherever observed and intimate cost.

9. **Obsn No 09 : RCC Beams.** Honey combing observed on RCC beam at stair case. Please rectify all such defects and intimate cost.

10. **Obsn No 10 : Cement.** Cement of make 'Ultratech', OPC, 43-Grade ISI found at site. Cement found stored in houses under demolition. No dunnage found provided, cement also found touching walls. Stacking of cement not found done in header and stretcher fashion. Stack the cement bags now as per provisions contained in SSR Part I-2009 & fwd rectification cost. Please accept lump sum recovery of ` 5,000/- on this account and ensure proper storage of cement for the balance work & confirm.

11. **Obsn No 11 : UG Sump.** Water found stagnating in UG sump and algae found growing. Reinforcement has have rusted badly and no cement slurry found provided. It shows gross negligence on part of executives. Please pump out water, carry out repair and replacement of badly rusted steel & intimate cost along with photographs .

12. **Obsn No 12 : Site Engineer.** Following Site Engineers found at site :-

<u>S No</u>	<u>Name</u>	<u>Degree</u>	<u>Years of passing out</u>
(a)	Shri Jatinder Chaudhry	B. Tech (Civ)	2012
(b)	Shri Mohd. Sameer	B. Tech (Civ)	2016

Please fwd the records of Site Engineers deployed along with supporting documents like payment details and employment proof. In absence of above, please recover the amount saved by the contractor against inadequate deployment of site engineers & intimate alongwith the amount recovered.

13. **Obsn No 13 : Qualified Tradesmen.** No record produced for deployment of ITI / NICMAR qualified tradesmen as per CA. 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 fwd documentary proof through AO.

14. **Obsn No 14 : Site Visit of Chief Engineer.** The work commenced on 10 Nov 2017 and CE (NW) Kochi has not visited the site at all which is considered grossly inadequate in terms of Quality Assurance Manual. Please fwd your reply through AO.

15. **Obsn No 15 : Documents.**

- (a) DO register not found maintained.
- (b) No site found order found given to contractor.

Please update the same & confirm.

16. **Obsn No 16 : Internal Wiring.** Internal wiring found provided of wire make 'Paragon FRLS', ISI mark alongwith GI sunken box of thickness 0.92 mm in lieu of 1.6 mm and depth 50 mm in lieu of 65 mm. Replace sunken box & fwd cost.

17. **Obsn No 17.** Samples of following materials found at site lab:-

- (a) CPVC pipe of make 'Dutron' 25 mm dia, SDR-13.5 in lieu of SDR 11, class – II of IS-15778 specification.

Replace CPVC pipe as per CA specification & fwd cost.

(b) **LED Fittings.**

- (i) Decorative 20 W, 4 feet, LED fittings of make 'Luker'.
- (ii) Bulk Head 10 W LED of make 'Luker'.
- (iii) PVC decorative type LED fixture 10 W of make 'Luker'.
- (iv) Bulk Head 10 W of make 'Luker'.

Fwd PV for electrical fittings.

(Satish Chander, IDSE)
STE SC Pune

MINOR OBSERVATION

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-NIL-

(Satish Chander, IDSE)
STE SC Pune

IMPORTANT OBSERVATION

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