



:020-26133148
: 020-26052869

REGD SDS / BY POST

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

1252/670/ 02/Q/ADGTE

Oct 2018

Garrison Engineer
Deolali
PIN – 900 402
C/o 56 APO

SITE VISIT : CEPZ/DEO-04 OF 2017-18

1. Refer inspection conducted by STE team on 24 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

CWE Deolali
PIN – 900402
C/o 56 APO

Stn HQ, Deolali
PIN -900 402
C/o 56 APO

1. For info & necessary action. Obsn may please be replied incl conditions.
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	CEPZ/DEO-04 OF 2017-18	Amount (in lakhs)	₹. 971.30 Lakhs	Location	Deolali		
Name of Work	Provn of OTM Accn for 01 x Medium Battery at School of Arty, Deolali						
(a)	Contractor		M/s Ramjidas Construction Pvt.Ltd				
(b)	Date of Commencement		29 May 2017				
(c)	Completion as per CA		28 Nov 2018				
(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 MESOffrs Accompanying				
	Shri Satish Chander, IDSE, STE SC Pune Shri D Suresh Reddy, IDSE, SE(NF), TE Lt Col BhaskarRautela, TE Shri Manish Raj, IDSE, EE (SG), TE		Lt Col Ajay Kumar, GE Deolali Shri Ashwini Mittal, AEE (Civ)				
(k)	Inspection Summary :						
	No Inspection	Ist Check		2nd Check		3rd Check	
(i)	Date of Check	24 Sep 2018		-		-	
(ii)	Progress %	Actual	Target	Actual	Target	Actual	Target
	25%	-	-	-	-	-	-
(iii)	Obsn Nos Raised	Ist	15	2nd	-	3rd	-
(iv)	Total Obsn Raised	15					
(v)		Minor	Maj	Adv	Minor	Maj	Adv
		-	15	-	-	-	-
(vi)	Obsn Split	B/R		E/M	B/R		E/M
(vii)		15		-	-		-
(viii)	Total Settled	-		-	-		-
(ix)	Outstanding Obsn	15		-	-		-
(x)	Outstanding Obsn (Check wise)	15		-	-		-
(xi)		IRNR		-	IRNR		IRNR
(xii)	Net Outstanding Obsns	15					
(xiii)	Date of Expiry of DLP (where wk 100% completed)	-					

CA No : CEPZ/DEO-04 OF 2017-18
Name of Work : Provn of OTMAccn for 01 x Medium Battery at School of Arty, Deolali
Amount in Lakhs : `971.30 Lakhs

OBSNS ON ADM APPROVAL, PLG & TS

-NIL -

OBSERVATION ON CONTRACT & SITE DOCUMENT

-NIL -

OBSERVATION ON SITE INSPECTION (MAJOR)

1. **Obsn No 01 : Compressive Strength of Concrete.** Compressive strength of RCC columns/beams has been randomly checked using rebound hammer for M 25 concrete. At all places except JCOs living & JCOs Mess Club value is between 22 to 28 N/MM². However, at JCO's living & JCOs Mess Club values found 15, 12, 25 N/mm² for circular column . In view of the above, carry out the following :-

(a) Demolish the circular column, reconstruct the same & fwd rectification cost along with photographs.

(b) You are also requested to get the core cut of RCC work in JCO's living & JCO Mess Club and get it tested at SEMT Wing of CME, Govt Engineering College or Govt approved lab & fwd compressive strength through CE.

2. **Obsn No 02 : RCC Slab.** Honey combing observed at places. Undulation observed on surface of RCC Slab and surface not found smooth due to improper steel shuttering at one place. At oneplace shuttering sheet found depressed by 20 to 25 mm. In view of the above please rectify the defects & fwd rectification cost.

3. **Obsn No 03 : RCC Column.** Honey combing observed in some columns especially at junction of two lifts at some places. Third lift found out of plumb at some places.Hacking has not been done properly at places. Two columns in OC Office & Conference Room found out of plumb. In view of the above, identify and rectify all such RCC columns & fwd rectification cost alongwith photographs.

4. **ObsnNo 04 : Lintel Band.** Continuous RCC lintel band not found provided anywhere. At places where door/window openings are there, dowel bars found left out from columns for providing RCC lintel band (LBN). Please confirm & fwd relevant drawing that no RCC Lintel Band need to be provided anywhere as per CA .

5. **Obsn No 05 : Ramp.** Ramps are yet to be constructed. FFL of garage found 30cm higher at one end and 100cm at other end above GL due to sloping ground. Road level and Ramp need to be properly planned to maintain desired gradients. In view of the above, it is advised that proper gradient of ramp may be ensured. The same will be checked during review inspection.

6. **Obsn No 06 : Fly Ash Brick Masonry.** Fly ash incorporated in the casting of bricks not found tested for its grade as specified in the contract. 15-25 mm joint found at some places in flyash brick masonry. Gaps observed and vertical and horizontal joints found open at places and not filled with adequate cement mortar. The independent tests of fly ash bricks found inadequate. Bricks could not be tested at site .in view of the above, carry out the following :-

(a) Kindly get the fly ash and fly ash bricks tested from independent agency such as SEMT Wing, CME Pune, Govt College of Engineering/Govt Polytechnic OR Govt approved laboratory for all their technical parameters described in relevant IS as per contract provisions.

(b) Rectify above mentioned defects & confirm alongwith rectification cost.

7. **Obsn No 07 : Plaster.** Chicken wire mesh for external plaster having 20 x 20 mm aperture and 0.54 mm dia found provided for a width of 150mm at junction of dissimilar materials in lieu of 10x10mm and 0.63 mm dia as mentioned in PS clause 12.4 pg 111. Please replace the same with chicken wire mesh as mentioned in CA & intimate cost .

8. **Obsn No 08 : Material At Site.**

(a) Reinforcement Steel. 12mm TMT bar of make 'Goel TMT', 'Shri Bajrang Power' & 'ISPAT Ltd' found at site. Cement slurry found carried out on steel bars.

(b) Cement. Cement of make 'Orient', (Birla A-1 Premium cement) OPC-53 Grade found stored in containers.

(c) Flyash Brick. Size – 110 x 230 x 75 mm. Fly Ash Brick being procured from 'Shubham Constro' mat as informed by executives.

Please fwd PV & TC.

09. **Obsn No 09 : Conduit Pipes.** Conduit Pipe of make 'Precision', ISI marked found provided. PVC conduits found fixed using nails in lieu of clips. Please rectify the defects & intimate cost. Also fwd PV & TC.

10. **Obsn No 10 : ATT.** ATT found procured from 'M/S Vardhaman Agro Services'. Chemical Chloroguard-20% and Abhishek Sheti. Udyog Bhandar . Total qty procured 1605 Lt upto 25/8/18. Approved applicator is 'M/s Pecopp Pest Control Services Pvt Ltd'. IPCA approval valid upto 31 Mar 2018. Independent test not found carried out. In view of the above, carry out the following :-

(a) Please carry out independent test and forward the report along with cost.

(b) Please fwd certificate of authorized applicator.

(c) Please fwd PV & TC.

11. **Obsn No 11 : Site Documents.** Following documents not found maintained :-

(a) Hindrance register maintained but not updated.

(b) Site order book maintained but compliance not recorded.

(c) Appx 'F' not found filled by CE.

(d) Performance evaluation not found carried out as per frequency laid out in CA.

Please update the same & confirm.

..3/-

12. **Obsn No 12 : Delay in Contract action.** The work was sanctioned vide letter No. 47368/A/LW (South) dated 31 Mar 2015 for ₹. 1089.05 lakhs. The Contract was concluded for ₹. 971.30 with date of commencement as 29 May 2017 and date of completion as 28 Nov 2018. There was a delay of 26 months in conclusion of contract. No revised adm approval obtained as per DWP 2007. Extension of Job PDC not received. In view of the above, carry out the following :-

- (a) Please fwd reasons through AO for abnormal delay in contract action
- (b) Please take requisite action to obtain revised adm approval & enhancement of job PDC. Fwd the same once accorded.

13. **Obsn No 13 : Slow Progress.** Total progress of work is 25% which is behind the anticipated progress. The progress of work is slow and running behind the planned progress. Contract PDC is expiring on 28 Nov 2018. . Please fwd specific reasons for the delay and action taken to expedite the completion of work through AO.

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

S. No	Name of Site Engineers	Diploma	Experience (in Years)
	Shri Avinash Vinayak Kapse	BE (Civ)	05 yrs
	Shri Ankit Pawan Gupta	BE (Civ)	05 yrs
	Shri Vaibhav Manoj Kamlapurkar	BE (Civ)	1 ^{1/2}
	Shri Sanjay R Pahade	Dip (Civ)	30 yrs
	Shri Shashikant Singh	Dip (Civ)	20 yrs
	Shri Aditya Kacharu Suryawanshi	BE (Civ)	04 months
	Shri Roshan Vinod Adhikari	Dip (Civ)	04 yrs
	Smt Bhavna Satish Warade	BE (Civ)	04 months

Degree/Diploma qualification certificates of above Site Engineers were not produced to STE team at site. Also the details and mode of payment made by the Contractor to these Site Engineers were not available with the contractor. Please fwd the above mentioned documents duly signed by Garrison Engineer & contractor for our perusal.

15. **Obsn No 15 : Qualified Tradesmen.** Following ITI qualified skilled tradesman found deployed at site :-

S. No	Name of Tradesmen	Qualification	Trade
(i)	Sharad Khandu Gunjal	ITI	Electrician
(ii)	Sachin Ashok Hire	ITI	Mason
(iii)	Niranjan Bikil Behra	ITI	Mason
(iv)	Yogesh Mahajan	ITI	Mason
(v)	Ankit Bhagirath Avtade	ITI	Electrician
(vi)	Satish Damodar	ITI	Wiremen
(vii)	Pradeep Ratan Chand Bawa	ITI	Electrician
(viii)	Jaipal Harsingh Pardeshi	ITI	Electrician
(ix)	Bhaurao Ramnath Phad	ITI	Electrician
(x)	Bhagwan Sutiya Majid	ITI	Bldg Maintenance

No record found maintained in support of deployment of qualified tradesmen. Number of ITI qualified tradesmen employed at site not found adequate as per CA Clause No 36 page 67. The CA clause stipulates that the No of ITI/NICMAR/NAC qualified tradesmen shall not be less than 25% of total skilled/semi skilled tradesmen. Please fwd reasons for such deviation from CA alongwith comments of AO. Please ensure deployment of qualified tradesmen as per CA & confirm. Prepare Minus DO on this account. Fwd reply through AO.

(Satish Chander, IDSE)
STE SC Pune

MINOR OBSERVATION

CA No : CEPZ/DEO-04 OF 2017-18

Name of Work : Provn of OTM Accn for 01 x Medium Battery at School of Arty,
Deolali

Amount in Lakhs : `971.30 Lakhs

-NIL-

(Satish Chander, IDSE)
STE SC Pune

IMPORTANT OBSERVATION

CA No : CEPZ/DEO-04 OF 2017-18
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Amount in Lakhs : `971.30 Lakhs

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(c) Appx 'F' not found filled by CE.

(d) Performance evaluation not found carried out as per frequency laid out in CA.

Please update the same & confirm.

3. **Obsn No 12 : Delay in Contract action.** The work was sanctioned vide letter No. 47368/A/LW (South) dated 31 Mar 2015 for ` 1089.05 lakhs. The Contract was concluded for ` 971.30 with date of commencement as 29 May 2017 and date of completion as 28 Nov 2018. There was a delay of 26 months in conclusion of contract. No revised adm approval obtained as per DWP 2007. Extension of Job PDC not received. In view of the above, carry out the following :-

(a) Please fwd reasons through AO for abnormal delay in contract action

(b) Please take requisite action to take revised adm approval & enhancement of job PDC. Fwd the same once accorded.

4. **Obsn No 13 : Slow Progress.** Total progress of work is 25% which is behind the anticipated progress. The progress of work is slow and running behind the planned progress. Contract PDC is expiring on 28 Nov 2018. . Please fwd specific reasons for the delay and action taken to expedite the completion of work through AO.

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(iii)	Niranjan Bikil Behra	ITI	Mason
(iv)	Yogesh Mahajan	ITI	Mason
(v)	Ankit Bhagirath Avtade	ITI	Electrician
(vi)	Satish Damodar	ITI	Wiremen
(vii)	Pradeep Ratan Chand Bawa	ITI	Electrician
(viii)	Jaipal Harsingh Pardeshi	ITI	Electrician
(ix)	Bhaurao Ramnath Phad	ITI	Electrician
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(Satish Chander, IDSE)
STE SC Pune