

**GOVERNMENT OF ANDHRA PRADESH
RURAL WATER SUPPLY & SANITATION DEPARTMENT
OFFICE OF CHIEF ENGINEER, RWS&S, V&QC, GOLLAPUDI, VIJAYAWADA.**

Memo.No. AEE1/DEE/V&QC/General Instructions/2021, dated 22.12.2021

Sub : RWS&S - V&QC – Quality control inspection of HDPE pipes – M/s Nirmal pipes Pvt. Ltd., Hyderabad – Materials rejected- General Instructions – Issued - Regarding.

Ref : 1. Lr.No. AEE/V&QC/ Material Inspections/ Gnt/2021, dt: 16.09.2021 of the Deputy Executive Engineer, RWS&S, V&QC Sub division, Guntur.
2. Instructions of Chief Engineer, V&QC, RWS&S, Gollapudi, Vijayawada.

The attention of the Superintending Engineers, Executive Engineers, and Deputy Executive Engineers (V&QC), RWS&S in the state are invited to the subject cited and are requested to examine the following general instructions while recommending/ conducting quality control inspection of HDPE pipes.

Vide reference 1st cited, the Deputy Executive Engineer, RWS&S, V&QC sub division, Guntur has submitted that, he has inspected the firm **M/s Nirmal Pipes Private Ltd., Mallapur, Hyderabad** on 06.09.2021 & 07.09.2021 along with Assistant Executive Engineer, V&QC sub division, Guntur and Assistant Executive Engineer, Rapelle for conducting quality control inspection of HDPE pipes for the 6 works under JJM grant of Rapelle sub division and submitted his observations and requested for necessary action.

The observations of Dy.E.E, V&QC, RWS&S, Guntur are as follows:

1. Only QC in charge is working without any assisting staff.
2. Lab testing equipment not in working condition.
3. For OIT & elongation tests, computer is not working and no software's are available.
4. Raw material details like invoice, internal QC reports not presented.
5. Production register not presented.
6. Calibration certificates without signatures presented.
7. BIS certificate presented.

In this context, the field staff in the state are once again reminded that, as per IS 4984:2016 the following tests need to be conducted for Q.C clearance of HDPE pipes and following reports are also to be verified during Q.C inspection at factory site.

Reports to be verified during QC inspection		Tests to be conducted during QC inspection of HDPE pipes	
1.	Valid BIS licence.	1.	Visual & Dimensional.
2.	Raw material details along with 3 rd party certificate.	2.	Reversion test.

3.	Valid calibration certificates for all lab equipments.	3.	Melt flow rate.
4.	Material production register.	4.	Density.
		5.	Carbon Black content.
		6.	Carbon black dispersion test.
		7.	Elongation at break.
		8.	Oxidation induction time.
		9.	Hydro static pressure test.

Further Dy.E.E VQC, Guntur stated in the 8th point of ref 1st cited as “even on the second day they are not rectified the damaged lab equipment and also lab in-charge was not attended” and conclusion remarks as, “there are no records/ registers, no proper lab facilities and no lab in-charge persons to conduct the lab tests on HDPE pipes. Hence the indented HDPE pipes placed to the M/s Nirmal pipes Private Ltd., Mallapur(V) Uppal Kalam (M) , Hyderabad was rejected.”

As the firm is not maintaining the records/registers and not maintaining the lab equipment in working condition for taking up of HDPE material testing. In view of procuring quality material, the indents to the firm shall not be considered for procurement of HDPE pipes.

In this connection, all the Superintending Engineers, Executive Engineers, and Dy.E.E (V&QC) RWS&S in the state are hereby instructed not to procure/ recommend HDPE pipe materials to the firm “**M/s Nirmal pipes Private Ltd., Mallapur(V) Uppal Kalam (M) , Hyderabad**” until further orders.

**Sd/- R.V. Krishna Reddy,
Chief Engineer,
Vigilance & Quality Control,
RWS&S, Gollapudi,
Vijayawada**

To

All the Superintending Engineers, RWS&S in the state.

All the Executive Engineers, RWS&S, Divisions in the state

All the Deputy Executive Engineers, V&QC, RWS&S, Sub-divisions in the state

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mraas
22/12/21

**Deputy Executive Engineer (V&QC)
RWS&S, Gollapudi, Vijayawada.**

AA
22/12/21