



QUALITY PLAN

ITEM : GI PIPE		PROJECT :				OP NO : TBQM-STD-GIP							
		REV: 02				PACKAGE /CONTRACT :							
		DATE :30-07-18											
		Page 1 of 2											
		CONTRACTOR : BHEL											
S.NO.	COMPONENT / OPERATION	CHARACTERISTIC CHECKED	CATEGORY	TYPE OF CHECK	EXTENT OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE-NORM	FORMAT OF RECORD	AGENCY	REMARKS			
1	2	3	4	5	6	7	8	9	D	10	11	12	13

1.0	INCOMING MATERIALS:												
1.1	MS pipes	1) Visual 2) Dimensions 3) Mech. Properties a) Yield Strength b) Tensile Strength c) % Elongation d) Bend / flattening Test 4) Chem. Composition	Major	Physical Meas.	100 % 10 %	IS 1239 (P-1)	IS 1239 P-1	Supplier TR	V	M		C	a) Pipes to be taken from BHEL approved Sources. b) Co-relation of Material Test Certificates to be maintained.
1.2	Zinc	Purity of zinc	Major	Chem.	1 sample / lot	IS 209	IS 209	"	V	M		C	Co-relation of Material Test Certificate to be maintained
2.0	Galvanizing		-do-										
		Cleaning and Galvanizing	-do-	Chemical & Visual	As per IS 2629	IS 2629	IS 2629	Internal Log Book		M		C	
3.0	FINAL INSPECTION												
3.1	Calibration of measuring and testing eqpt..	Calibration	-do-	Visual	100%	Periodicity of calibration not to exceed 12 months	Periodicity of calibration not to exceed 12 months	Calibration records	V	M		C	Calibration should have been done in reputed laboratory
3.2	Acceptance tests	a) Visual & Dimensions	-do-	Visual	100%	IS 2629/802-10985-1978	IS 2629/802-10985-1978	Inspection report	V	M		C	Final inspection by BHEL
		b) Mech. And Chem. Test as indicate in Cl. 1.1	-do-	Mechanical & Chemical	as per IS 2500-1992 level S4	Appd. Drgs.	Appd. Drgs.	"	V	M		C	
			-do-	Mechanical	As indicated in cl. 1.1	IS 1239	IS 1239	"	V	M		C	
			-do-	Mechanical	5S/lot	IS 6745-1972	IS 6745-1972	"	V	M		C	

दिवांगित सेनागुला / DIPLOMAT SENA वरिष्ठ अभियंता (गुणवत्ता) / Sr. Engineer (Quality) भारत भारत समूह / Transmission Business Group भारत भारी इलेक्ट्रिकल्स लिमिटेड Bharat Heavy Electricals Limited Adventi Navis IT Business Park, Sector-112, Noida, 201301	LEGEND : M – SUPPLIER / SUB SUPPLIER C - BHEL / NOMINATED INSPECTION AGENCY N – CUSTOMER /CUSTOMER NOMINATED AGENCY CHP- CUSTOMER HOLD POINT JIR – JOINT INSPECTION REPORT	P – PERFORMED BY W – WITNESSED BY V – VERIFICATION BY IR- INSPECTION REPORT	APPROVED BY SIGN & SEAL
--	---	--	----------------------------



QUALITY PLAN

ITEM : GI PIPE

QP NO : TBQM-STD-GIP REV: 02 DATE : 30-07-18 Page 2 of 2		PROJECT :								
PACKAGE /CONTRACT :		CONTRACTOR : BHEL								
S.NO.	COMPONENT / OPERATION	CHARACTERISTIC CHECKED	CATEGORY	TYPE OF CHECK	EXTENT OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE-NORM	FORMAT OF RECORD	AGENCY	REMARKS
									P W V	
1	2	3	4	5	6	7	8	9	10 11 12	13

	indicated in 2.3	& Chemical	offered	IS 2629-1985	IS 2629-1985					
--	------------------	------------	---------	--------------	--------------	--	--	--	--	--

For Gate Contract
Sintajir

विद्युतजित सेनगुप्ता / DIPTOJIT SENGUPTA
वरिष्ठ अभियंता (गुणवत्ता) / Sr. Engineer (Quality)
परियोजना व्यापार समूह / Transmission Business Group
भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Limited
Advant Naks IT Business Park,
Sector-142, Noida-201305

LEGEND :
M - SUPPLIER / SUB SUPPLIER
C - BHEL / NOMINATED INSPECTION AGENCY
N - CUSTOMER / CUSTOMER NOMINATED AGENCY
CHP- CUSTOMER HOLD POINT TC - TEST CERTIFICATE IR- INSPECTION REPORT
JIR - JOINT INSPECTION REPORT

P - PERFORMED BY
W - WITNESSED BY
V - VERIFICATION BY

APPROVED BY
SIGN & SEAL