QUALITY CONTROL GUIDE

FOR

FUELD ENGINEERS

6.3.0 GUALITY CONTROL REGISTERS PROFORMAE

FORM NO. 1

REGISTER OF BENCH MARKS

NAME OF WORK:

The state of the s	Verified by checked by AE/AEE (C)Checked by DEE (C)Reference RemarksSignature of Q C StaffAE/AEE (DEE (C)toRemarksAE/AEE/DEE (C)On DateL.F.Book(Construction)	4 5 6 7 8 9
erendered Speek of the project annual security of the con-	Verified by AE/AEE (C) on Date	4
	n Value	က
Name of Contrast o	Location Description	2
AND DESCRIPTION OF THE PERSON	Location	1

FORM NO. 2

MARK OUT REGISTER

1	1
Remarks	10
Signature of Q.C. Staff	O
Signature of EE (Constn)	∞
Signature of DEE (Constn)	7
Signature of DEE of EE of Q.C. (Constn) (Constn) (Constn)	9
Location	ß
Elevation	4
L.S.	3
Description of Structure	2
Date	-

FORM NO. 3

MATERIAL O.K. REGISTER

NAME	NAME OF WORK :-	A					
() sq 6	Description of Material	Approximate Suanity	6 6 6 7	Whether the material Remarks of Q Signature of Signature of Staff if any Compliance of AE/AEE when the ma-Construction DEE analysis with referterial is not as Staff (Constn) Fest Register tions	Remarks of G C Staff if any when the ma- terial is not as per specifica- tions	Compliance of Construction Staff	Signature of AE/AEE DEE (Constn)
-	2	ത	4	2	9 .	7	8
		7.4					
Signature AZ/AEE/I (3C Staff)	Signature of AE/AEE/DEE	Remarks					
	6	10					

FORM NO. 4

REGISTER OF FOUNDATIONS

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Details of Details	clay layers if of foundation measuring treatment instruments			7 8
-	soilmet with at cla			9
Details of area where foundation are proposed	Foundation	level		ល
a where fo proposed	(v)	D/S		4
of area pr	C.S.	s/n		က
Details		L.S.		2
() ()			1	proof.

	REMARKS	15
	SE (C& QC)	14
SIGNATURES	SE (C) AE, (ABE) DEE (C) EE/QC	13
SIGNA	EE (C)	12
	AE/AEE DEE (C)	
Deviations from	Epproved drawings (OR) Specifications I any with authority	10

FORM NO. 5

NAME OF WORK :-		REGISTER OF	_	PLACEMENT FOR CONCRETE	ONCRETE	
Description	LOCATION	MOL	Foundation fores	- 11 - v2	REFERENCE TO	Whather Rinal leve
Date	L.S.	C.S.		Approved	4	are as per approved
C.C.Mix	U.S.	. D/S	From	To drawings	ngs register	drawings
1 2	3 4	വ	9	7 8	6	10
Whether founda-	Deviations from	from	REFERE	REFERENCE TO	REN	REMARKS OF
Surface/ C.S., is cleared and kept	approved drawings (OR)	awings etc if	Reinforcement Register	It	AE/AEE/DEE OC	EE (Constn)
ready as per specifications for	sperimental city, in any with authority	hority		O.K.Register		
11	12		13	14	15	16
Compliance reported by AE/AEE/DEE		Remarks of S.E. (g C)	(O C)	REMA	REMARKS OF	
(Constn)			THE COMMON PROPERTY OF THE PRO			
17		18				

FORM NO. 6

REGISTER OF PLACEMENT FOR MASONRY

	REMARKS	11
Compliance Remarks of	report of SE Construc-REMARKS Construction Staff Se GC	10
Compliance	report of Construc- tion Staff	6
	EE (C) Remarks of G C Staff C C	8
RES OF	EE (C)	7
SIGNATURES OF	AE/DEE (C)	9
Elevation Reference	to material stock file O.K.Register	S)
tten	To	4
Eleva	From	8
	Date of Masonry From To stock file Work	2
	Date	-

FORM NO. 7

REGISTER OF PLACEMENT FOR REINFORCEMENT

Description 2 MAIN REINFORCEMENT Bar No. Dia of Bars No. of Welded joints. Whether qualified welders have been employed and quality welding work test execked. DISTRIBUTION REINFORCEMENT Bar No. Dia of Bar.	employed	Details of RCC Work 3 3	Signatures of Construction REMARKS Staff 4 5	REMARKS 5
Whether overlaps are as per specifications. Whether cover is as per specifications.	dons.	Control and translation converses	kr _a .	

FORM NO. 8

REGISTER OF TEST REPORT OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

REMARKS	12	
Required 29 days	() many garant	
Date of Date of Age in STRENCTH Kg/CM2 Required costing resting Days	Average	10
COMPI	Indi- vidual	6
Age in	œ	
Date of Date of Age in costing bays		
Date of	Ø	
Slump		Ŋ
17.0°		۲)،
Miss W.C. Slump Proportion Ratio	(Y)	
PARTICULARS OF SPECIMEN	BATCH NO.	7
PAR	:0 Q	p- (

FORM NO. 9

PLACEMENT REGISTER FOR EMBANKMENT

REMARKS		13
SIGNATURES OF	gc Staff	1.2
SIGNATT	Consruction	11

FORM NO. 10

GENERAL PLACEMENT REGISTER FOR OTHER ITEMS

NAME OF WORK :-

	Democrito	INCILIZAT NO	
	es of trol staff	D.EE	
	Signatures of Quality Control staff	A.E/AEE	
	t aff.	E.E.	
	Signatures of Construction Staff.	Dy.EE E.E.	
		A.E/AEE	
	Description of Work		
	Chainage	From To	
	Date		

FORM NO. 11

ROLLER PASSES CONTROL REGISTER NAME OF WORK :-

	KEMAKKO	12
E OF	gc Staff	11
SIGNATURE OF	Consruction QC Staff Staff	10
TIME		6
TIN	From To	00
Roller	No.	7
No. of	Ø	
Width		w
Total	TD.	
1286	To	က
Chainage	From	a
The second second		

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FORM NO. 12 MOISTURE CONTROL REGISTER

	REMARKS			12
A CONTRACTOR OF STREET	OF	g c Staff		
gan angger nag droiggs algebras geginning method entry en	SIGNATURE OF	Construction Q C Staff Staff	A DOUGHER CALL OF THE PARTICULAR AND CALL OF THE CALL	10
	Moisture % of mois-	ture con- tent before rolling	Contraction to the contraction of the Contraction	တ
				œ
		O 25 0	CONTRACTOR OF THE PARTY OF THE	_
	ul	mois- ture	C. M. C. S.	9
	Chainage Total Quantity of length loose earth			ເດ
	Total	Total length		
ORK	nage	To		3
NAME OF WORK :-	Chai	- I had		2
NAMI	C) a f			y 1

217

FORM NO. 13

EMBANKMENT TEST RESULTS REGISTER

	LOC	ATION (LOCATION OF TEST PIT		1	AB RE	LAB RESULTS	Core cutter	Weight of	
) ate	Chainage	1	Elevation Coordinates OMC MDD	natesC	MC	MDD	Lab references	No. and weight	sample with cutter	netweignt or sample
	2	3	4		2	9	7	8		10
				Charles Commercial Com		adjanament of the			Carried Hills a Make or one of the carried Hills and the carried H	ALES LESS ALES MANDESCRIPTION AND ANY OF THE CALL DESCRIPTION
Volu Core	Volume of Core cutter	Wet density	Weight of sampletaken for drying	CARL STREET, SQUARE PARTY OF LAND	Weight of dry sample	dry	Weight of water	% of moisture content	Field dry density	% of compac- tion
		12	13		14		15		17	18
						Approximation of the second	Company of the contract of the		AND THE PROPERTY OF THE PROPER	
, ,	()	· · · · · ·	SIGNATURE OF	E OF	1		REMARKS	/ 0		a managaran
Roller Roller	and the second second	-	AE/AEE (C) DEE (C)	DEE (C						ndhi Tabibadaan cada c
	N words			And the state of t			The state of the s	- AGENTING OF ANY STATE OF THE		
0.0	20		77	22		Carrie of the	23			
		-		City State of State o						

FORM NO. 14

SITE ORDER BOOK

NAME OF WORK :-

INSTRUCTIONS OF THE INSPECTING OFFICER	2
Date	-

FORM NO. 15

CEMENT DAY BOOK

Remarks	8
Balance	7
Issues Consumption	9
Total Issues Receipt Consump	2
Receipts	4
Opening Balance	3
Date	2
Sl.No.	-

O.K.CARD FOR CAST - INSITU CONCRETE LINING

S.	Decription		Signat	ures of	
No —).	Contractor	STATE OF STREET, ST. ST. ST.	GOAP	Remarks
1	. DATE :		Alle a street for the Land		
2.	TO KM	BEDS	DE		
3.		MIX			
4.		ATE UNDER/ OV AND 10 MM. F.M OF SAND			,
5.	METHOD OF CONCRET (A) MIX-VOL/WEIGHT (B) BATCHING PLANT WEIGHT.	E MIX:	ΞŪ.		
6.	TRANSPORT: (A) BY TRANSIT MIXER (B) TEMPERATURE OF SPECIFIED (C) TEMPERATURE OF PLACED	CONCRETE			
7.	SLUMPS:- (A) DESIGNING SLUMP (B) AT THE BATCHING (C) AT THE SITE OF PL	PLANT			
8.	WATER CEMENT RATIO	A - 30 - 40 - 40 - 50 - 50 - 50 - 50 - 50 - 5			
9.	METHOD OF CONSOLIDAR SLIP/MECHANICAL VIBRASCREENED VIBRATOR.	ATION ATOR/			
Ð.	WHETHER CONTRCTION JOINTS ARE PROVIDE PROVED DESIGN	CONSTRUCTIO	N >_		
	Treatment OF COLD JOIN	T/JOINTS.			
	CURINGS :- WATER CURING		Ξ.		
	QUALITY OF CONCRETE	LAID			
	NO. OF C.C. CUBES CAST	red.			
	ANY OTHER REMARKS				

O.K.CARD FOR EARTH WORK EMBANKMENT

			Signat	ures of	
S. No.	Description	Contractor	G.O.A.P. (C.S)	G.O.A.P. (Q.C.S)	Remarks
1.	DATE				
2.	EROM KM. TO KM.				
3.	ELEVATION (R.L)	č.			
4.	SURFACE PREPARATION WHETHER AS PER SP				
5.	TYPE OF ROLLER USE	ED.			
6.	LOCATION OF TEST A	T KM.			
7.	THICKNESS OF LOOS	E LAYER			
8.	INITIAL MOISTURE CO	INTENT.			
9.	REMOVAL OF OVER S	IZE.			
10.	TOP LEVEL AFTER CO	OMPACTION OF	LAYER.		
11.	WET DENSITY		*		
12.	MOISTURE CONTENT IN ROLLED FILL				
13.	DRY DENSITY.				
14.	LABORATORY O.M.C. AND M.D.D.	,	ſ		
15.	COMPACTION EFFICI	ENCY.			
16.	EMBANKMENT OF INSTRUMENTS DEVICES (IN CASE OF EARCH DAM).	·		· - 4 .	
17.	METHODOLOGY OF ADDITION OF MOISTU (WHETER THROUGH FROM SPRINKLER TA	SPRAY		~	
18.	MANUAL COMPACTIO	N IF ANY.			
19.	LAYER PASSED.				
20.	ANY OTHER REMARK	S			

O.K. CARD FOR GROUTING

Contr	act No		Chainage of S	stucture :	
Name	e of contractor :				
S.	Description		Dated Signatu	res of	Remarks
No.		Contrac	ctor GOAP(C.S)	Nemains	

GENERAL:

- R.L. AND AREA OF SURFACE TO BE GROUTED.
- 2. CLASSIFICATION OF THE ROCK STRATA.
- SALIENT FEATURES OF THE STRATA SUCH AS A FAULT ZONE, CAVITIES, FISSURES ETC.
- PERMEABILITY VALUE OF THE STRATA BEFORE GROUT.

GROUP :

- 5. PATTERN OF GROUT ADOPTED
- 6. DEPTH AND DIAMETER OF THE HOLE.
- 7. PRESSURE ADOPTED FOR GROUT.
- PROPORTION OF GROUTING MIX.
- 9. INTAKE OF SLURRY MORTOR PER UNIT AREA PER UNIT TIME
- 10. TOTAL QUANTITY OF INTAKE
- 11. FINAL PERMEABILITY VALUE OF THE STRATA, AFTER GROUT.
- 12. WHETHER THE GROUT STRATA IS O.K.

Sign. of Contractor

Sign. of GOAP (CS) DEE/EE

Sign. of GOAP (QCS) AE/AEE DEE / FE.

222 O.K.CARD FOR STRUCTURAL CONCRETE_ WORK S. Signatures of Description No. G.O.A.P. G.O.A.P. Contractor Remarks (CS) (QCS) 1. DATE 2. GRADE OF MIX LOCATION OF WORK: (A) FOUNDATION (WITH ELEVATION) (B) SUPER STRUCTURE (WITH ELEVATION). METHODOLOGY OF PREPARATION OF SURFACE: (A) GREEN CUTTING. SAND BLASTING. (B) (C) HIGH PRESSURE WATER BLASTING. MATERIALS : (A) COARSE AGGREGATE UNDER SIZE/OVER SIZE GRADED ANALYSIS. (B) F.M. OF SAND. (C) CEMENT MAKE/DATE. (D) WATER, **TOOLS AND PLANTS:** FORM WORK DETAILS OF SHUTTERING SHOULD BE CHECKED WITH DIMENSION. (B) MIXER (C) VIBRATOR. BATCHING 7. TEMP. OF CONCRETE SPECIFIED IN TECHNICAL SPECIFICATION. 9. TEMP. OF CONCRETE AS PLACED.

- 10. SLUMP :
 - (A) DESIGN SLUMP
 - (B) AT THE BATCHING & MIXING PLANT
- 11. METHOD OF PLACING
- 12. METHOD OF CONSOLIDATION
- 13. WATER CEMENT RATIO
- 14. TREATMENT OF CONSTRUCTION JOINTS.
- 15. EMBEDMENTS
- 16. WATER STOPPER
- 17. CONCRETE FINISH (WOOD FLOAT/STEEL TROWEL)
- 18. QUANTITY OF CONCRETE LAYED.
- 19. NO. OF C.C CUBES CASTED
- CHECKING OF REINFORCEMENT.
- 21. CURING ARRANGEMENTS
- 22. ANY OTHER REMARKS

Sign. of Sign. of Sign. of Contractor GOAP (CS) GOAP (QCS)