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Structural Works Inspection for Shoring Works

Shoring Works - Inspection at 3 stages

(Stage of Inspection - 0%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Building Permit			
2	Affection Plan			
3	Demarcation Certificate and Bench Mark - Approval (from relevant Authority/Business Unit)			
4	Valid Consultant's License			
5	Valid Contractor's License (Valid License of Nominated/Specialized Sub Contractor)			
6	Approved Drawings from CED			
7	Shop Drawings approved by Consultant (based on A.D of CED)			
8	Concrete Mix Design approved by Consultant			
9	Steel Reinforcement Test Certificates (by 3rd Party & as per Code Requirements)			
10	Tendons Test Certificate (by 3rd Party & as per Code Requirements)			
11	Stressing Certificate (by Specialized Sub Contractor & approved by Consultant)			
12	CED Inspection Records (Activities as inspected by CED Engineers)			
13	NOC from DEWA - Power			
14	NOC from DEWA - Water			
15	NOC from Telecommunication provider in the area			
16	Concrete Mix Design and Trail mix result Report			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Shoring Works

Shoring Works - Inspection at 3 stages

(Stage of Inspection - 0%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS	Y	N	Remark
17	Shoring Location as per A.D of CED			
18	Depth/Length in relation to Bench Mark			
	Contiguous/Secant Piles			
19	Shoring Pile Diameter			
20	Pile Reinforcement: Main (Vertical Bars - diameter and number)			
21	Pile Reinforcement: Distribution (Ties - diameter and spacing)			
22	Reinforcement Cover (to be as per A.D & Code Requirements)			
23	Lap Length and Location (to be as per A.D & Code Requirements)			
24	King Post Length and Reduced Levels			
	Soldier Piles			
25	Size of Soldier Pile			
26	Spacing of Soldier Piles			
	Diaphragm			
27	Width and length of diaphragm as per AD			
28	Reinforcement of Diaphragm as per AD			
	Sheet Piles			
29	Check size, thickness and length			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Shoring Works

Shoring Works - Inspection at 3 stages

(Stage of Inspection - 50%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Approved Drawings from CED			
2	Shop Drawings approved by Consultant (based on A.D of CED)			
3	Concrete Mix Design approved by Consultant			
4	Steel Reinforcement Test Certificates (by 3rd Party & as per Code Requirements)			
5	Tendons Test Certificate (by 3rd Party & as per Code Requirements)			
6	Stressing Certificate (by Specialized Sub Contractor & approved by Consultant)			
7	CED Inspection Records (Activities as inspected by CED Engineers)			
8	NOC from neighbour/ RTA/ BU (whenever shoring is outside plot limits)			
9	Concrete Mix Design and Trail mix result Report			
2	SITE OBSERVATIONS	Y	N	Remark
10	Shoring Location as per A.D of CED			
11	Depth/Length in relation to Bench Mark			
	Contiguous/Secant Piles			
12	Shoring Pile Diameter			
13	Pile Reinforcement: Main (Vertical Bars - diameter and number)			
14	Pile Reinforcement: Distribution (Ties - diameter and spacing)			
15	Reinforcement Cover (to be as per A.D & Code Requirements)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Shoring Works

Shoring Works - Inspection at 3 stages

(Stage of Inspection - 50%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
16	Lap Length and Location (to be as per A.D & Code Requirements)			
17	King Post Length and Reduced Levels			
	Soldier Piles			
18	Size of Soldier Pile			
19	Spacing of Soldier Piles			
20	Pre-cast / wooden Panel size (fixing of Panels to be in parallel with excavation)			
	Diaphragm			
21	Width and length of diaphragm as per AD			
22	Reinforcement of Diaphragm as per AD			
	Sheet Piles			
23	Check size, thickness and length			
24	Tendons size & numbers			
25	Waling Beams, location, spacing and numbers			
26	Anchorage Length of Tendons as per A.D of CED			
27	Detailing according to Codes (ACI, BS) as per CED Regulations			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Shoring Works

Shoring Works - Inspection at 3 stages

(Stage of Inspection - 100%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Approved Drawings from CED			
2	Shop Drawings approved by Consultant (based on A.D of CED)			
3	Warranty by Shoring Contractor (after completion of Shoring Works)			
4	Undertaking by Shoring Specialist approved by Consultant that shoring works all lie within the plot limits.			
5	Concrete Mix Design approved by Consultant			
6	Steel Reinforcement Test Certificates (by 3rd Party & as per Code Requirements)			
7	Tendons Test Certificate (by 3rd Party & as per Code Requirements)			
8	Stressing Certificate (by Specialized Sub Contractor & approved by Consultant)			
9	CED Inspection Records (Activities as inspected by CED Engineers)			
10	NOC from neighbour/ RTA/ BU (whenever shoring is outside plot limits)			
11	Concrete Mix Design and Trail mix result Report			
2	SITE OBSERVATIONS	Y	N	Remark
12	Shoring Location as per A.D of CED			
13	Depth/Length in relation to Bench Mark			
14	Shoring Anchorage Length as per A.D (from Excavation Level)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Shoring Works

Shoring Works - Inspection at 3 stages

(Stage of Inspection - 100%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
15	Shoring Deviation within Allowable Limits (at the time of Final Inspection for Shoring Works)			
	Contiguous/Secant Piles			
16	Shoring Pile Diameter			
17	Pile Reinforcement: Main (Vertical Bars - diameter and number)			
18	Pile Reinforcement: Distribution (Ties - diameter and spacing)			
19	Reinforcement Cover (to be as per A.D & Code Requirements)			
20	Lap Length and Location (to be as per A.D & Code Requirements)			
21	King Post Length and Reduced Levels			
	Soldier Piles			
22	Size of Soldier Pile			
23	Spacing of Soldier Piles			
24	Pre-cast / wooden Panel size (fixing of Panels to be in parallel with excavation)			
	Diaphragm			
25	Width and length of diaphragm as per AD			
26	Reinforcement of Diaphragm as per AD			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Shoring Works

Shoring Works - Inspection at 3 stages

(Stage of Inspection - 100%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

	Sheet Piles			
27	Check size, thickness and length			
28	Restraining for Shoring			
29	Anchor spacing, angle and numbers			
30	Tendons size & numbers			
31	Waling Beams, location, spacing and numbers			
32	Anchorage Length of Tendons as per A.D of CED			
33	Detailing according to Codes (ACI, BS) as per CED Regulations			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Piling works

Piling Works - Inspection at 3 stages

(Stage of Inspection - 0%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Site lab certificate by Trakhees			
2	Inspection report for 0% of piling work			
3	Building Permit			
4	Affection Plan			
5	Demarcation Certificate and Bench Mark - Approval (from relevant Authority/Business Unit)			
6	Valid Consultant's License			
7	Valid License of Nominated/Specialized Sub Contractor			
8	Approved Drawings from CED			
9	Shop Drawings approved by Consultant (based on A.D of CED)			
10	Concrete Mix Design approved by Consultant			
11	Steel Reinforcement Test Certificates (by 3rd Party & as per Code Requirements)			
12	Betonies Test Records approved by Consultant (applicable to Cast In-Situ Piling Works)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Piling works

Piling Works - Inspection at 3 stages

(Stage of Inspection - 0%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION (..Contd.)	Y	N	Remark
13	CED Inspection Records (Activities as inspected by CED Engineers)			
14	NOC from DEWA - Power			
15	NOC from DEWA - Water			
16	NOC from Telecommunication provider in the area			
17	NOC from neighbour (whenever encroachment is made)			
	For Precast Piles:			
18	Strand Test Certificate (as per Code Requirements)			
19	Pile Positions compared with Plans (Coordinates as approved from CED)			
20	Length of Piles from Cut-off Level and in relation to Bench Mark			
21	Pile Diameter			
22	Pile Reinforcement: Main (Vertical bars - diameter and number)			
23	Pile Reinforcement: Distribution (Ties - diameter and spacing)			
24	Reinforcement Cover (to be as per A.D & Code Requirements)			
25	Lap Length and location (to be as per A.D & Code Requirements)			

Consultant Stamp & Signature	Contractor Stamp & Signature



Structural Works Inspection for Piling works

Piling Works - Inspection at 3 stages

(Stage of Inspection - 0%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION (..Contd.)	Y	N	Remark
26	Length of Pile			
27	Diameter of Pile			
28	Diameter, spacing & number of Tendons			
29	Damage to Piles (toe, head and Joint)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Piling works

Piling Works - Inspection at 3 stages

(Stage of Inspection - 50%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Site lab certificate by Trakhees			
2	Inspection Report of 50% of Piling Works.			
3	Approved Drawings from CED			
4	Shop Drawings approved by Consultant (based on A.D of CED)			
5	Concrete Mix Design approved by Consultant			
6	Steel Reinforcement Test Certificates (by 3rd Party & as per Code Requirements)			
7	Betonies Test Records approved by Consultant (applicable to Cast In-Situ Piling Works)			
8	CED Inspection Records (Activities as inspected by CED Engineers)			
	For Precast Piles:			
9	Strand Test Certificate (as per Code Requirements)			
10	Stressing Certificate (by Specialized Sub Contractor & approved by Consultant)			
2	SITE OBSERVATIONS	Y	N	Remark
11	Pile Positions compared with Plans (Coordinates as approved from CED)			
12	Length of Piles from Cut-off Level and in relation to Bench Mark			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Piling works

Piling Works - Inspection at 3 stages

(Stage of Inspection - 50%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (..Contd.)	Y	N	Remark
13	Pile Diameter			
14	Pile Reinforcement: Main (Vertical bars - diameter and number)			
15	Pile Reinforcement: Distribution (Ties - diameter and spacing)			
16	Reinforcement Cover (to be as per A.D & Code Requirements)			
17	Lap Length and location (to be as per A.D & Code Requirements)			
	For Precast Piles:			
18	Length of Pile			
19	Diameter of Pile			
20	Diameter, spacing & number of Tendons			
21	Damage to Piles (toe, head and Joint)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Piling works

Piling Works - Inspection at 3 stages

(Stage of Inspection - 100%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Site lab certificate by Trakhees			
2	Test results of A preliminary pile should be verified by the Geotechnical specialist and approved by CED			
3	Approved Drawings from CED			
4	Shop Drawings approved by Consultant (based on A.D of CED)			
5	Concrete Mix Design approved by Consultant			
6	Steel Reinforcement Test Certificates (by 3rd Party & as per Code Requirements)			
7	Records for Measurement of Verticality of Piles (by Sub Contractor & approved by Consultant)			
8	Betonies Test Records approved by Consultant (applicable to Cast In-Situ Piling Works)			
9	CED Inspection Records (Activities as inspected by CED Engineers)			
	For Precast Piles:			
10	Strand Test Certificate (as per Code Requirements)			
11	Stressing Certificate (by Specialized Sub Contractor & approved by Consultant)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Piling works

Piling Works - Inspection at 3 stages

(Stage of Inspection - 100%)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS	Y	N	Remark
12	Pile Positions compared with Plans (Coordinates as approved from CED)			
13	Length of Piles from Cut-off Level and in relation to Bench Mark			
14	Pile Diameter			
15	Pile Reinforcement: Main (Vertical bars - diameter and number)			
16	Pile Reinforcement: Distribution (Ties - diameter and spacing)			
17	Reinforcement Cover (to be as per A.D & Code Requirements)			
18	Lap Length and location (to be as per A.D & Code Requirements)			
	For Precast Piles:			
19	Length of Pile			
20	Diameter of Pile			
21	Diameter, spacing & number of Tendons			
23	Damage to Piles (toe, head and Joint)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for Setting out for Layout of Piles

Inspection at Completion of Pile Head Treatment and before starting the Reinforcement

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	The shop Drawings to be matching with Approved Drawings of CED			
2	The deviation of piles not more than the tolerance or approved by CED if it more			
3	Building Permit			
4	Affection Plan			
5	Demarcation Certificate and Bench Mark - Approval (from relevant Authority/Business Unit)			
6	Valid Consultant's License			
7	Valid Contractor's License (Valid License of Nominated/Specialised Sub Contractor)			
8	Approved Drawings from CED			
9	Shop Drawings approved by Consultant (based on A.D of CED)			
10	Piles Test Records as per CED Regulations			
11	Records for Compressive Strength of Concrete of all Piles			
12	Records for Measured Deviation of Piles (approved by Consultant)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for Setting out for Layout of Piles

Inspection at Completion of Pile Head Treatment and before starting the Reinforcement

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION (Contd.)	Y	N	Remark
13	Records of Vibro Compaction / Soil Improvement Tests (based on the recommendations of Soil Investigation Report)			
14	Warranty from Specialist Contractor of Piles (before Foundation Works)			
15	Compaction Test Results if applicable			
16	CED Inspection Records (Activities as inspected by CED Engineers)			
2	SITE OBSERVATIONS	Y	N	Remark
1	Observation of Setback distance (as shown on A.D of CED)			
2	Locations of Piles compared with A.D of CED			
3	Cut-off Level, in relation to Bench Mark (as per A.D of CED)			
4	Reinforcement Projection length and numbers (Anchorage Length in the Foundation)			
5	Pile Caps dimensions and thickness			
6	Formwork Levels as per A.D of CED (Various depths of Raft, Levels, Drops and sumps, etc.)			
7	Dimensions of Strap Beams			
8	Building Orientation			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RAFT ON PILES

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	If the Depth of Raft ≥ 1.5 meter the Bottom Steel the 1st layer the inspection done			
2	Approved Method Statement for Casting of Concrete, approval from Consultant if the Depth of Raft ≥ 1.0 meter:			
3	Construction Joint in Foundations should be approved by CED			
4	Approved Drawings from CED			
5	Shop Drawings approved by Consultant (based on A.D of CED)			
6	Concrete Mix Design approved by Consultant			
7	Steel Reinforcement Test Certificates (by 3rd Party & as per Code Requirements)			
8	CED Inspection Records (Activities as inspected by CED Engineers)			
9	NOC for Tower Crane Location (from relevant Authority/Business Unit)			
10	Site lab certificate approved By Trakhees			
2	SITE OBSERVATIONS	Y	N	Remark
1	Correct thickness of Raft			
2	Location of Columns and Walls (as per Grid Lines on A.D and to be marked on blinding)			
3	Dimensions of Columns and Walls			
4	Thickness of Retaining Wall			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RAFT ON PILES

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
5	Correct Foundation Level in relation to Bench Mark (as per A.D of CED)			
6	Raft Reinforcement - Diameter and spacing (as per A.D)			
7	Additional Reinforcement provided (as Indicated on A.D)			
8	Punching Shear Reinforcement around Columns and Walls (as per A.D)			
9	Reinforcement Anchorage Length (as per A.D & as per Code)			
10	Cover to Reinforcement on top of piles (above the Pile Head Treatment)			
11	Anti Bursting Reinforcement - Diameter and spacing (as per A.D)			
12	Columns and Walls Starter Bars - Diameter and spacing (as per A.D)			
13	Reinforcement for Retaining Walls - Diameter and spacing (as per A.D)			
14	Well Point location and reinforcement details (Dewatering Suction Pit)			
15	Lap Length and location (to be as per A.D & Code Requirements)			
16	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			
17	Reinforcement Cover (to be as per A.D & Code Requirements)			
18	Location of Construction Joint & reinforcement details (to be as per A.D & Code Requirements)			
19	Water Stopper location and detailing if applicable (as per A.D)			
20	Tower Crane Location as per CED A.D (applicable only when it is located within the structural element)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RAFT ON PILE CAPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	If the Depth of Raft ≥ 1.5 meter the Bottom Steel the 1st layer the inspection done			
2	Approved Method Statement for Casting of Concrete, approval from Consultant if the Depth of Raft ≥ 1.0 meter:			
3	Construction Joint in Foundations should be approved by CED			
4	Approved Drawings from CED			
5	Shop Drawings approved by Consultant (based on A.D of CED)			
6	Concrete Mix Design approved by Consultant			
7	Steel Reinforcement Test Certificates (by 3rd Party & as per Code Requirements)			
8	CED Inspection Records (Activities as inspected by CED Engineers)			
9	NOC for Tower Crane Location (from relevant Authority/Business Unit)			
10	Site Lab certificate approve By Trakhees			

2	SITE OBSERVATIONS	Y	N	Remark
1	Correct thickness of Raft			
2	Location of Columns and Walls (as shown on A.D)			
3	Dimensions of Columns and Walls			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RAFT ON PILE CAPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
4	Thickness of Retaining Wall			
5	Correct Foundation Level in relation to Bench Mark (as per A.D of CED)			
6	Dimensions of Strap beams (as per A.D of CED)			
7	Raft Reinforcement - Diameter and spacing (as per A.D)			
8	Additional Reinforcement provided (as Indicated on A.D)			
9	Punching Shear Reinforcement around Columns and Walls (as per A.D)			
10	Main & Additional Reinforcement for Pile Caps - Diameter and spacing (as per A.D)			
11	Cover to Reinforcement on top of piles (above the Pile Head Treatment)			
12	Anti-Bursting Reinforcement - Diameter and spacing (as per A.D)			
13	Strap Beams Reinforcement - Diameter and spacing (as per A.D)			
14	Columns and Walls Starter Bars - Diameter and spacing (as per A.D)			
15	Reinforcement for Retaining Walls - Diameter and spacing (as per A.D)			
16	Well Point location and reinforcement details (Dewatering Suction Pit)			
17	Location of Construction Joint (as per A.D)			
18	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RAFT ON PILE CAPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
19	Reinforcement Cover (to be as per A.D & Code Requirements)			
20	Lap Length and location (to be as per A.D & Code Requirements)			
21	Anchorage Length of Reinforcements (as per A.D)			
22	Water Stopper location and detailing if applicable			
23	Tower Crane Location as per CED A.D (applicable only when it is located within the structural element)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RAFT ON SOIL

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	If the Depth of Raft \geq 1.5 meter the Bottom Steel the 1st layer the inspection done			
2	Approved Method Statement for Casting of Concrete, approval from Consultant if the Depth of Raft \geq 1.0 meter			
3	Construction Joint in Foundations should be approved by CED			
4	Building Permit			
5	Affection Plan			
6	Demarcation Certificate and Bench Mark - Approval (from relevant Authority/B.U)			
7	Valid Consultant's License			
8	Valid Contractor's License			
9	Approved Drawings from CED			
10	Shop Drawings Approved by Consultant (based on A.D of CED)			
11	Concrete Mix Design approved by Consultant			
12	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
13	CED Inspection Records (Activities as inspected by CED Engineers)			
14	Confirmation of Bearing Capacity at actual level of Foundations by 3rd Party & verified as per design regulations			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RAFT ON SOIL

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION (Contd.)	Y	N	Remark
15	Compaction Test Record for Sub grade Soil by 3rd Party & verified as per Soil Report Requirements			
16	Soil Improvement Test Records, If required by 3rd Party & verified as per Soil Report Requirements			
17	NOC from DEWA - Power			
18	NOC from DEWA - Water			
19	NOC from Telecommunication provider in the area			
20	NOC from neighbour (whenever encroachment is made)			
21	NOC for Tower Crane Location (from relevant Authority/Business Unit)			
22	Site lab certificate approve by Trakhees			
2	SITE OBSERVATIONS	Y	N	Remark
1	Observation of Setback distance (as per A.D of CED)			
2	Correct Foundation Level in relation to Bench Mark (as per A.D of CED)			
3	Correct thickness of Raft			
4	Correct Orientation of Structure			
5	Dimensions of Strap Beams			
6	Location of Columns and Walls (as per of A.D)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RAFT ON SOIL

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
7	Dimensions of Columns and Walls			
8	Thickness of Retaining Wall			
9	Raft Reinforcement - Diameter and spacing (as per A.D)			
10	Additional Reinforcement provided (as Indicated on A.D)			
11	Punching Shear Reinforcement around Columns and Walls (as per A.D)			
12	Strap Beams Reinforcement - Diameter and spacing (as per A.D)			
13	Columns and Walls Starter Bars - Diameter and spacing (as per A.D)			
14	Reinforcement for Retaining Walls - Diameter and spacing (as per A.D)			
15	Connections between Walls			
16	Well Point location and reinforcement details (Dewatering Suction Pit)			
17	Construction Joint location & details .			
18	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for FOOTINGS - ALL TYPES

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Site lab certificate by Trakhees			
2	Retaining walls not required of inspection by CED if shoring is present.			
3	Must be One side of formwork to be left open after installed the reinforcement in order to enable inspection by CED.			
4	Building Permit			
5	Affection Plan			
6	Demarcation Certificate and Bench Mark - Approval (from relevant Authority/B.U)			
7	Valid Consultant's License			
8	Valid Contractor's License			
9	Approved Drawings from CED			
10	Shop Drawings approved by Consultant (based on A.D of CED)			
11	Concrete Mix Design approved by Consultant			
12	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
13	CED Inspection Records (Activities as inspected by CED Engineers)			
14	Confirmation of Bearing Capacity at actual Foundation Level by 3rd Party & verified as per Design Regulations			
15	Compaction Test Record for Sub grade Soil by 3rd Party & verified as per Soil Report Requirements			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for FOOTINGS - ALL TYPES

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION (Contd.)	Y	N	Remark
16	Soil Improvement Test Records, if required, by 3rd Party & verified as per Soil Report Requirements			
17	NOC from DEWA - Power			
18	NOC from DEWA - Water			
19	NOC from Telecommunication provider in the area			
20	NOC from neighbor (whenever encroachment is made)			
21	NOC for Tower Crane Location (from relevant Authority/ B.U)			

2	SITE OBSERVATIONS	Y	N	Remark
1	Observation of Setback distance (as per A.D of CED)			
2	Correct Foundation Level in relation to Bench Mark (as per A.D of CED)			
3	Correct Orientation of Building			
4	Dimensions of Footings as per A.D of CED			
5	Dimensions of Strap Beams			
6	Location of Columns and Walls as per A.D and to be marked			
7	Dimensions of Columns and Walls			
8	Footings Reinforcement - Diameter and spacing (as per A.D)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for FOOTINGS - ALL TYPES

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
9	Additional Reinforcement provided (as Indicated on A.D)			
10	Punching Shear Reinforcement around Columns and Walls (as per A.D)			
11	Strap Beams Reinforcement - Diameter and spacing (as per A.D)			
12	Columns and Walls Starter Bars - Diameter and spacing (as per A.D)			
13	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			
14	Reinforcement Cover to be as per A.D and according to Code Requirements			
15	Lap Length and location to be as per A.D and according to Code Requirements			
16	Length of dowels for Columns & Walls (as per A.D)			
17	Adequate Support for Concrete Formwork			
18	Tower Crane Location and additional reinforcement as per A.D (applicable only when located within the structural element)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for Special Foundations

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

Structural Works Inspection for Special Foundations				
- Construction / Contraction and Movement Joint Location and Detailing as per Approved Drawings				
1	DOCUMENTATION	Y	N	Remark
1	Building Permit			
2	Affection Plan			
3	Demarcation Certificate and Bench Mark - Approval (from relevant Authority/B.U)			
4	Valid Consultant's License			
5	Valid Contractor's License (Valid License of Nominated/Specialized Sub Contractor)			
6	Approved Drawings from CED			
7	Shop Drawings approved by Consultant (based on A.D of CED)			
8	Concrete Mix Design approved by Consultant			
9	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
10	CED Inspection Records (Activities as inspected by CED Engineers)			
11	Confirmation of Bearing Capacity at actual Level of Foundation by 3rd Party & verified as per Design Regulations			
12	Compaction Test Record for Sub grade Soil by 3rd Party & verified as per Soil Report Requirements			
Consultant Stamp & Signature		Contractor Stamp & Signature		

Structural Works Checklist for Special Foundations

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION (Contd.)	Y	N	Remark
13	Soil Improvement Test Records, if required, by 3rd Party & verified as per Soil Report Requirements			
14	NOC from DEWA - Power			
15	NOC from DEWA - Water			
16	NOC from Telecommunication provider in the area			
17	NOC from neighbor (whenever encroachment is made)			
2	SITE OBSERVATIONS	Y	N	Remark
1	Observation of Setback distance (as per A.D of CED)			
2	Correct Foundation Level in relation to Bench Mark (as per A.D of CED)			
3	Correct Orientation of pool (as per A.D of CED)			
4	Correct thickness of the raft .(as per A.D of CED)			
5	Dimensions of Beams as per A.D of CED			
6	Raft's Reinforcement - Diameter and spacing (as per A.D)			
7	Additional Reinforcement provided (as Indicated on A.D)			
8	Beam Reinforcement (Main, Additional & Shear) (as per A.D - Diameter and spacing)			
9	Reinforcement Around Joints - Diameter and spacing (as per A.D)			
10	Curtailment of Reinforcement - (as per A.D)			
11	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for Special Foundations

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
12	Reinforcement Cover to be as per A.D and according to Code Requirements			
13	Lap Length and location to be as per A.D and according to Code Requirements			
14	Adequate Support for Concrete Formwork			
15	Detailing of Joints (Movement, Contraction or Transverse Control) (as per A.D)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RETAINING WALLS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Retaining walls not required of inspection by CED if shoring is present			
2	Must be One side of formwork to be left open after installed the reinforcement in order to enable inspection by CED.			
3	Approved Drawings from CED			
4	Shop Drawings approved by Consultant (based on A.D of CED)			
5	Affection Plan/Demarcation Certificate and Bench Mark - if required (from relevant Authority/B.U)			
6	Concrete Mix Design approved by Consultant			
7	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
2	SITE OBSERVATIONS			
1	Retaining Wall Dimensions (thickness and height) as per A.D			
2	Location and detailing of Construction Joints			
3	Location and detailing of Movement Joints			
4	Location and detailing of Water Stoppers			
5	Location and dimensions of Counter Walls (Counter fort Ret. Wall)			
6	Reinforcement for Retaining Wall - Diameter and spacing (as per A.D)			
7	Reinforcement for Counter Wall - Diameter and spacing (as per A.D)			
8	Links in Wall as per approved drawings and according to Codes			
9	Corner Details as per approved drawings			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RETAINING WALLS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)			
10	Correct Connection for Edge Walls with Slabs			
11	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			
12	Reinforcement Cover to be as per A.D and according to Code Requirements			
13	Lap Length and location to be as per A.D and according to Code Requirements			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for SUSPENDED RAMPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Building Permit			
2	Approved Drawings from CED			
3	Reinforcement Shop Drawings approved by Consultant (based on A.D of CED)			
4	Concrete Mix Design approved by Consultant (in case of ramp on grade)			
5	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
6	Steel Reinforcement Pull-Out Test Certificates by 3rd Party & as per Code Requirements			
7	Compressive Strength of Concrete Test Records for Walls and Columns			
8	Scaffolding Certificate by Third Party			
9	Scaffolding Shop Drawings approved by Consultant			
10	Compaction Test Record for Sub grade Soil by 3rd Party & verified as per Soil Report Requirements			
2	SITE OBSERVATIONS			
1	Clear Height and Width according to Approved Drawings			
2	Scaffolding Executed as per Shop Drawings approved by Consultant			
3	Thickness of Ramp Slab			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for SUSPENDED RAMPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
4	Slope to be as per approved drawings of CED			
5	Beams Dimensions as per approved drawings of CED			
6	Main Reinforcement diameter and spacing as per A.D			
7	Secondary Reinforcement (diameter and spacing as per A.D)			
8	Additional Reinforcement (diameter and spacing as per A.D)			
9	Curtailment of reinforcement as per A.D			
10	Anchorage length of reinforcement as per A.D			
11	Main Reinforcement for Beams (diameter and spacing as per A.D)			
12	Additional Reinforcement for Beams (diameter and spacing as per A.D)			
13	Shear Reinforcement for Beams (diameter and spacing as per A.D)			
14	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			
15	Reinforcement Cover to be as per A.D and according to Code Requirements			
16	Lap Length and location to be as per A.D and according to Code Requirements			
17	Corbels Reinforcement (as per A.D)			
18	Back Propping is required for Suspended Ramps			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for SUSPENDED RAMPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Building Permit			
2	Approved Drawings from CED			
3	Reinforcement Shop Drawings approved by Consultant (based on A.D of CED)			
4	Concrete Mix Design approved by Consultant (in case of ramp on grade)			
5	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
6	Steel Reinforcement Pull-Out Test Certificates by 3rd Party & as per Code Requirements			
7	Compressive Strength of Concrete Test Records for Walls and Columns			
8	Scaffolding Certificate by Third Party			
9	Scaffolding Shop Drawings approved by Consultant			
10	Compaction Test Record for Sub grade Soil by 3rd Party & verified as per Soil Report Requirements			
2	SITE OBSERVATIONS			
1	Clear Height and Width according to Approved Drawings			
2	Scaffolding Executed as per Shop Drawings approved by Consultant			
3	Thickness of Ramp Slab			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for SUSPENDED RAMPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
4	Slope to be as per approved drawings of CED			
5	Beams Dimensions as per approved drawings of CED			
6	Main Reinforcement diameter and spacing as per A.D			
7	Secondary Reinforcement (diameter and spacing as per A.D)			
8	Additional Reinforcement (diameter and spacing as per A.D)			
9	Curtailment of reinforcement as per A.D			
10	Anchorage length of reinforcement as per A.D			
11	Main Reinforcement for Beams (diameter and spacing as per A.D)			
12	Additional Reinforcement for Beams (diameter and spacing as per A.D)			
13	Shear Reinforcement for Beams (diameter and spacing as per A.D)			
14	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			
15	Reinforcement Cover to be as per A.D and according to Code Requirements			
16	Lap Length and location to be as per A.D and according to Code Requirements			
17	Corbels Reinforcement (as per A.D)			
18	Back Propping is required for Suspended Ramps			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for SWIMMING POOL

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Building Permit			
2	Valid Consultant's License			
3	Valid Contractor's License (Valid License of Nominated/Specialized Sub Contractor)			
4	Approved Drawings from CED			
5	Approved Drawings from EHS			
6	Shop Drawings approved by Consultant (based on A.D of CED & EHS)			
7	Concrete Mix Design approved by Consultant			
8	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
9	CED Inspection Records (Activities as inspected by CED Engineers)			
10	Compaction Test Record for Sub grade Soil by 3rd Party & verified as per Soil Report Requirements			
11	Soil Improvement Test Records, if required by 3rd Party & verified as per Soil Report Requirements			
12	Site lab certificate approved By Trakhees			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for SWIMMING POOL

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS			
1	Observation of Setback distance (as per A.D of CED)			
2	Correct Foundation Level in relation to Bench Mark (as per A.D of CED)			
3	Correct Orientation of pool (as per A.D of CED)			
4	Dimensions of Swimming Pool (as per A.D of CED)			
5	Thickness of foundation & walls dimension (as per A.D of CED)			
6	Reinforcement - Diameter and spacing (as per A.D)			
7	Additional Reinforcement provided (as Indicated on A.D)			
8	Walls Starter Bars - Diameter and spacing (as per A.D)			
9	Correct Connection Details for Walls (as per A.D)			
10	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			
11	Reinforcement Cover to be as per A.D and according to Code Requirements			
12	Lap Length and location to be as per A.D and according to Code Requirements			
13	Construction Joint location and detailing			
14	Water Stopper location and detailing if applicable			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RIBBED SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	If required any special requirements for applicable conditions			
2	Pre-Cambering for Long Spans & Cantilever should be as per approved drawings and according to Code Requirements			
3	Is the Back Propping Refer to the code and site loading conditions			
4	Affection Plan/Re-Demarcation Certificate -for ground floor level (from relevant Authority/ B.U)			
5	Approved Drawings from CED			
6	Reinforcement Shop Drawings approved by Consultant (based on A.D of CED)			
7	Concrete Mix Design approved by Consultant			
8	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
9	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			
10	Drawings for Transformers / Electrical Rooms approved by DEWA (openings in particular)			
11	CED Inspection Records (Activities as inspected by CED Engineers)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RIBBED SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

12	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			
13	Compressive Strength of Concrete Test Records for Walls and Columns (RCC elements preceding the requested inspection)			
14	Scaffolding Certificate by Third Party			
15	Scaffolding Shop Drawings approved by Consultant			
16	Block Test Certificate for Bearing Walls (by 3rd Party Independent Laboratories)			
2	SITE OBSERVATIONS			
1	Floor Height according to approved drawings			
2	Scaffolding executed as per Shop Drawings (approved by Consultant)			
3	Size of Hourdi Block as per approved drawings			
4	Thickness of Topping Concrete as per approved drawings			
5	Location of openings as per approved drawings			
6	Drop & hidden beams dimensions as per approved drawings			
7	Main Reinforcement for Beams and Ribs (diameter and spacing as per A.D)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RIBBED SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)			
8	Additional Reinforcement (diameter and spacing as per A.D)			
9	Curtailment of reinforcement as per A.D			
10	Anchorage length of reinforcement (as per A.D)			
11	Stirrups for Ribs and Beams (diameter and spacing as per A.D)			
12	Top Steel Mesh (diameter and spacing as per A.D)			
13	Reinforcement around openings - No. of bars (diameter and spacing as per A.D)			
14	Connections to Walls and Columns as per approved drawings			
15	Drop and hidden beams Main & Secondary Reinforcement (as per A.D)			
16	Shrinkage Reinforcement for Deep Beams (as per A.D)			
17	Torsion Reinforcement as per approved drawings			
18	Cantilever Projection Length and Reinforcement (as per A.D)			
19	Detailing of all reinforcement (to be according to ACI, BS) as per CED Reg.			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for RIBBED SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)			
20	Reinforcement Cover to be as per A.D and according to Code Requirements			
21	Lap Length and location to be as per A.D and according to Code Requirements			
22	Construction Joint location and detailing			

Consultant Stamp & Signature	Contractor Stamp & Signature



Structural Works Inspection for SOLID FLAT SLAB WITH & WITHOUT DROPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Pre-Cambering for Long Spans & Cantilever should be as per approved drawings and according to Code Requirements			
2	Is the Back Propping Refer to the code and site loading conditions?			
3	Affection Plan/Re-Demarcation Certificate - for ground floor slab and basement slab on the ground floor level (from relevant Authority/B.U)			
4	Approved Drawings from CED			
5	Reinforcement Shop Drawings approved by Consultant (based on A.D of CED)			
6	Concrete Mix Design approved by Consultant			
7	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
8	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			
9	Drawings for Transformers / Electrical Rooms approved by DEWA (openings in particular)			
10	CED Inspection Records (Activities as inspected by CED Engineers)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for SOLID FLAT SLAB WITH & WITHOUT DROPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

11	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			
12	Compressive Strength of Concrete Test Records for Walls and Columns (RCC elements preceding the requested inspection)			
13	Scaffolding Certificate by Third Party			
14	Scaffolding Shop Drawings approved by Consultant			
15	Block Test Certificate for Bearing Walls (by 3rd Party Independent Laboratories)			

2	SITE OBSERVATIONS	Y	N	Remarks
1	Floor Height according to approved drawings			
2	Scaffolding executed as per Shop Drawings approved by Consultant			
3	Thickness of Slab as per approved drawings			
4	Drop and Capital Dimensions as per approved drawings			
5	Location of openings as per approved drawings			
6	Beams dimensions as per approved drawings			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for SOLID FLAT SLAB WITH & WITHOUT DROPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remarks
7	Main Reinforcement (diameter and spacing as per A.D)			
8	Secondary Reinforcement (diameter and spacing as per A.D)			
9	Additional Reinforcement (diameter and spacing as per A.D)			
10	Curtailment of reinforcement as per A.D			
11	Anchorage length of reinforcement as per approved drawings and Code			
12	Reinforcement around openings - No. of bars (diameter and spacing as per A.D)			
13	Slab and Beam connections to Supports as per approved drawings			
14	Drop and Capital Reinforcement as per approved drawings			
15	Punching Shear Reinforcement as per approved drawings			
16	Cantilever Projection Length and Reinforcement (as per A.D)			
17	Pour Strip Reinforcement - as per approved drawings (diameter and spacing as per A.D)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for SOLID FLAT SLAB WITH & WITHOUT DROPS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remarks
18	Deep Transfer Beams Main and Secondary Reinforcement (as per A.D)			
19	Shrinkage Reinforcement for Deep Beams as per approved drawings			
20	Torsion Reinforcement as per approved drawings			
21	Detailing of all reinforcement (to be according ACI, BS) as per CED Reg.			
22	Reinforcement Cover to be as per A.D and according to Code Requirements			
23	Lap Length and location to be as per A.D and according to Code Requirements			
24	Construction Joint location and detailing			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Solid Slab with Beams / Staircase

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Pre-Cambering for Long Spans & Cantilever should be as per approved drawings and according to Code Requirements			
2	Is the Back Propping Refer to the code and site loading conditions			
3	Affection Plan/Re-Demarcation Certificate -for ground floor slab and basement slab on the ground floor level (from relevant Authority/ B.U)			
4	Approved Drawings from CED			
5	Reinforcement Shop Drawings approved by Consultant (based on A.D of CED)			
6	Concrete Mix Design approved by Consultant			
7	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
8	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			
9	Drawings for Transformers / Electrical Rooms approved by DEWA (openings in particular)			
10	CED Inspection Records (Activities as inspected by CED Engineers)			
11	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			
12	Compressive Strength of Concrete Test Records for Walls and Columns (RCC elements preceding the requested inspection)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Solid Slab with Beams / Staircase

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

13	Scaffolding Certificate by Third Party			
14	Scaffolding Shop Drawings approved by Consultant			
15	Block Test Certificate for Bearing Walls (by 3rd Party Independent Laboratories)			

2	SITE OBSERVATIONS	Y	N	Remark
1	Floor Height according to approved drawings			
2	Scaffolding executed as per Shop Drawings approved by Consultant			
3	Thickness of Slab as per approved drawings			
4	Location of Openings as per approved drawings			
5	Deep Beams & others beams dimensions as per approved drawings			
6	Cantilever Projection Length as per approved drawings			
7	Main Reinforcement (diameter and spacing as per A.D)			
8	Secondary Reinforcement (diameter and spacing as per A.D)			
9	Additional Reinforcement (diameter and spacing as per A.D)			
10	Curtailement of reinforcement as per A.D			
11	Anchorage length of reinforcement as per approved drawings			
12	Reinforcement around openings - (no. of bars, diameter and spacing as per A.D)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for Solid Slab with Beams / Staircase

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
13	Cantilever Projection Reinforcement as per A.D			
14	Slab & Beam connections to Supports as per approved drawings			
15	Pour Strip Reinforcement & location			
16	Main Reinforcement for beams (as per A.D)			
17	Additional Reinforcement for beams (as per A.D)			
18	Shear Reinforcement for beams (as per A.D)			
19	Deep Transfer Beams Main and Secondary Reinforcement (as per A.D)			
20	Side Reinforcement for Deep Beams as per approved drawings			
21	Torsion Reinforcement as per approved drawings			
22	Detailing of all reinforcement (to be according to ACI, BS) as per CED Reg.			
23	Reinforcement Cover to be as per A.D and according to Code Requirements			
24	Lap Length and location to be as per A.D and according to Code Requirements			
25	Construction Joint location and detailing			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for CHECKLIST FOR INSITU BEAMS FOR PRECAST SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Pre-Cambering for Long Spans & Cantilever should be as per approved drawings and according to Code Requirements			
2	Is the Back Propping Refer to the code and site loading conditions?			
3	Affection Plan / Re-demarcation Certificate for ground floor slab and basement slab on the ground floor level			
4	Approved Drawings from CED			
5	Reinforcement Shop Drawings approved by Consultant (based on A.D of CED)			
6	Concrete Mix Design and Trial mix Result Report			
7	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
8	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			
9	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			
10	CED Inspection Records (Activities as inspected by CED Engineers)			
11	Compressive Strength of Concrete Test Records for Walls and Columns (RCC elements preceding the requested inspection)			
12	Scaffolding Certificate by Third Party			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for CHECKLIST FOR INSITU BEAMS FOR PRECAST SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

13	Scaffolding Shop Drawings approved by Consultant			
14	Method Statement approved by Consultant			

2	SITE OBSERVATIONS			
1	Beams Height according to approved drawings			
2	Scaffolding executed as per Shop Drawings approved by Consultant			
3	Beam Dimensions as per approved drawings			
4	Beam connections to Supports as per approved drawings			
5	Cantilever Projection Length as per approved drawings			
6	Bearing Strip Dimensions (as per A.D)			
7	Main Reinforcement (diameter and spacing as per A.D)			
8	Secondary Reinforcement (diameter and spacing as per A.D)			
9	Additional Reinforcement (diameter and spacing as per A.D)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection for CHECKLIST FOR INSITU BEAMS FOR PRECAST SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)			
10	Curtailment of reinforcement as per A.D			
11	Cantilever Projection Reinforcement (as per A.D)			
12	Shear Reinforcement for Beams (as per A.D)			
13	Anchorage Length of reinforcement as per approved drawings			
14	Bearing Strip Reinforcement to be as per approved drawings (number of bars, diameter & spacing)			
15	Steel Dowels for connections to be as per approved drawings and CED Regulations			
16	Detailing of all the reinforcement (to be according to ACI, BS) based on CED Regulations			
17	Reinforcement Cover to be as per A.D and according to Code Requirements			
18	Lap Length and location to be as per A.D and according to Code Requirements			
19	Construction Joint location and detailing			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for Steel Structures Framing

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

Structural Works Inspection for Steel Structures Framing				
1	DOCUMENTATION	Y	N	Remark
1	Affection Plan / Re-demarcation Certificate for Ground Floor Level			
2	Valid Contractor's License for Structural Steel Fabrication Works (Nominated/Specialized Sub Contractor)			
3	Approved Drawings from CED			
4	Steel Structure Shop Drawings approved by Consultant (based on A.D of CED)			
5	Pull-out Test for Studs			
6	Bolts and Studs Test Certificate			
7	Welding Test Certificate			
8	Concrete Mix Design approved Consultant. (Topping and Grouting for joints - Design Regulations)			
9	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
10	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			
11	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			
12	CED Inspection Records (Activities as inspected by CED Engineers)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for Steel Structures Framing

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION (Contd.)	Y	N	Remark
13	Warranty from Specialist Sub Contractor/Supplier for Works Executed (for 10 years & before the BCC)			
14	Materials Certificate from Specialist Company as per Code			
2	SITE OBSERVATIONS	Y	N	Remark
1	Fabrication & erection tolerance complied with National Standard			
2	Main Frames Plumber / aligned as per A.D			
3	Surface defects in hot rolled / cold section in accordance with National Standards			
4	Location & orientation comply with A.D			
5	Setback comply with A.D			
6	Direct / gusseted / pin connections comply with A.D / specification & National Standard			
7	base Plate size / thickness comply with A.D / Specification			
8	HSB Dimension / grade comply with A.D / Specification			
9	HSB / NB thread projection as per Standard / Specification			
10	Bolt center to center comply with A.D			
11	Bolts correctly tightened			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for Steel Structures Framing

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
12	Columns / Rafters / Beams comply with A.D			
13	Welding type connection comply with A.D			
14	Columns / Rafters / Beams Splices comply with A.D			
15	Bracing / strut tube stayed cables comply with A.D			
16	Purlins / Girt comply with A.D			
17	Columns / Beams stiffeners comply with A.D			
18	Nuts / washers comply with Specifications			
19	Crane runway girder / dimension / installing comply with A.D / Specification			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection Checklist for QUAY WALL (Sea wall/Berth/Anchor wall)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Marine NOC if any condition			
2	Demarcation Certificate			
3	Approved drawing by CED			
4	Valid Affection Plan			
5	DM Approval letter for Consultant/Contractor Foreign Company			
2	SITE OBSERVATIONS			
1	Quay wall/Berth location as per Approved Drawings			
2	Depth for quay wall/Berth in relation Bench mark to be as per Approved Drawings			
3	Til-Road number/level should be as per Approved Drawing			
4	Pile Reinforcement should be as per Approved Drawing			
5	Diaphragm thickness should be as per Approved Drawing			
6	Soldier pile Dimension should be as per Approved Drawing			
7	Til-Road grade/diameter should be as per Approved Drawing & project specification			
8	Concrete Block dimension/Reinforcement should be as per Approved Drawing			

Consultant Stamp & Signature	Contractor Stamp & Signature



Structural Works Inspection Checklist for QUAY WALL (Sea wall/Berth/Anchor wall)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)			
9	Shop drawing approved by consultant (Based on AD from CED)			
10	Concrete Block key details should be as per Approved Drawing			
11	Arubble base foundation for concrete block wall should be as per Approved Drawing			
12	Anchor wall thickness/depth should be as per Approved Drawing			
13	Joint between concrete blocks should be as per Approved Drawing & as per project specification			
14	Filling back face of wall should be as per Approved Drawing & project specification			
15	Quay wall/Berth/ anchor wall alignment should be as per Approved Drawing			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for Break Water / Shore Revetment

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection for Break Water / Shore Revetment				
	SITE OBSERVATIONS	Y	N	Remark
1	Break water location should be as per Approved Drawing			
2	Weight of armour unit/shape should be as per Approved Drawing			
3	Thickness of armour layer/slope should be as per Approved Drawing			
4	Weight of under layer rock/thickness should be as per Approved Drawing/Project specification			
5	Core structure should as per Approved Drawing			
6	Crest Dimension/level should as per Approved Drawing			
7	Toe protection should be as per Approved Drawing			
8	Break water length should be as per Approved Drawing			
9	Coping for break water should as per Approved Drawing			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for SOIL IMPROVEMENT

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection for Soil Improvement				
1	DOCUMENTATION	Y	N	Remark
1	CED NOC Approval			
2	Affection plan			
3	Demarcation Certificate and bench Mark approval (relevant Authority / Business unit)			
4	Valid Consultant letter			
5	Valid Specialized Contractor license			
6	CED approved Drawing			
7	NOC DEWA Water/Power			
8	NOC from Telecommunication provider in area			
9	NOC from RTA/neighbour			
2	SITE OBSERVATIONS			
1	Stone vebro and creep pile spacing as per Approved Drawing			
2	Ston / Vebro / Creep piles depth as per as per Approved Drawing			
3	Check Trial spacing test Result (if Applicable) alone with Zero % stage inspection			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for SOIL IMPROVEMENT

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)			
4	Check actual settlement beyond plot limit if has effect on infrastructure/utilities during 50% Inspection			
5	Shoring Location as per A.D of CED			
6	Shoring Location as per A.D of CED			
7	Depth/Length in relation to Bench Mark			
8	Shoring Anchorage Length as per A.D (from Excavation Level)			
9	Shoring Deviation within Allowable Limits (at the time of Final Inspection for Shoring Works)			
	Contiguous/Secant Piles			
10	Shoring Pile Diameter			
11	Pile Reinforcement: Main (Vertical Bars - diameter and number)			
12	Pile Reinforcement: Distribution (Ties - diameter and spacing)			
13	Reinforcement Cover (to be as per A.D & Code Requirements)			
14	Lap Length and Location (to be as per A.D & Code Requirements)			
15	King Post Length and Reduced Levels			
	Soldier Piles			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for SOIL IMPROVEMENT

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)			
16	Size of Soldier Pile			
17	Spacing of Soldier Piles			
18	Pre-cast / wooden Panel size (fixing of Panels to be in parallel with excavation)			
	Diaphragm :			
19	Width and length of diaphragm as per AD			
20	Reinforcement of Diaphragm as per AD			
	Sheet Piles			
21	Check size, thickness and length			
	Restraining for Shoring			
22	Anchor spacing, angle and numbers			
23	Tendons size & numbers			
24	Waling Beams, location, spacing and numbers			
25	Anchorage Length of Tendons as per A.D of CED			
26	Detailing according to Codes (ACI, BS) as per CED Regulations			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for STEEL DECK SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection In-situ Beams For Precast Slab				
- Back Propping is required as per Code and site loading conditions				
1	DOCUMENTATION	Y	N	Remark
1	Affection Plan / Re-demarcation Certificate for ground floor slab and basement slab on the ground floor level			
2	Valid Contractor's License for Structural Steel Fabrication Works (Nominated/Specialized Sub Contractor)			
3	Approved Drawings from CED			
4	Steel Structure Shop Drawings approved by Consultant (based on A.D of CED)			
5	Pull-out Test for Studs			
6	Bolts and Studs Test Certificate			
7	Welding Test Certificate			
8	Concrete Mix Design approved Consultant. (Topping and Grouting for joints - Design Regulations)			
9	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
10	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			
11	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for STEEL DECK SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

12	CED Inspection Records (Activities as inspected by CED Engineers)			
13	Warranty from Specialist Sub Contractor/Supplier for Works Executed (for 10 years & before the BCC)			
14	Materials Certificate from Specialist Company as per Code			

2	SITE OBSERVATIONS			
1	Floor Height according to approved drawings			
2	Corrugated Steel Sheet Thickness (as per A.D)			
3	Shear Studs numbers and locations (as per A.D)			
4	Steel Structural Beams dimensions (as per A.D)			
5	Beams Connection to Columns (as per A.D)			
6	Number of Bolts in Connection (as per A.D)			
7	Bolts spacing (as per A.D)			
8	Welding carried out as per approved drawings			
9	Main Reinforcement (Topping Steel) as per AD in number, size and form			
10	Splices for Steel Structure as per AD			
11	Scaffolding executed as per Shop Drawings approved by Consultant			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for STEEL DECK SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd..)			
12	Detailing of all the Connections (to be according to AISC, BS) as per CED Regulations			
13	Detailing of all the Connections (to be according to AISC, BS) as per CED Regulations			
14	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			
15	Reinforcement Cover to be as per A.D and according to Code Requirements			
16	Lap Length and location to be as per A.D and according to Code Requirements			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for POST TENSION SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection In-situ Beams For Precast Slab
- Refer to special requirements for applicable conditions
- Pre-Cambering for Long Spans & Cantilevers to be carried out as per approved drawings and according to Code Requirements
- Back Propping is required as per Code and site loading conditions
- Priority shall be given to PT System as and when there is a conflict with Services or other types of reinforcement

1	DOCUMENTATION	Y	N	Remark
1	Affection Plan/Re-Demarcation Certificate for ground floor slab and basement slab on the ground floor level (from relevant Authority/B.U)			
2	Valid Contractor's License for Post Tension Works (Nominated/Specialized Sub Contractor)			
3	Approved Drawings from CED			
4	Reinforcement Shop Drawings & PT Shop Drawings (approval by Consultant as per A.D of CED)			
5	Concrete Mix Design approved by Consultant			
6	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
7	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for POST TENSION SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

8	Certificate of Confirmation by PT Sub Contractor for the work done (as per A.D & Code Requirements)			
9	Confirmation by Consultant for Final Stresses of preceding PT elements (in compliance with Design Regulations)			
10	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			
11	Drawings for Transformers / Electrical Rooms approved by DEWA (Openings in particular)			
12	CED Inspection Records (Activities as inspected by CED Engineers)			
13	Tendons Test Certificate (by 3rd Party & as per Code Requirements)			
14	Materials Test Certificates for Anchors and Ducts (as per Code Requirements)			
15	Compressive Strength for Grouting (as per A.D & Code Requirements)			
16	Warranty from Specialist Sub Contractor of Post Tensioned Works (for 10 years & before the B.C.C)			
17	Compressive Strength of Concrete Test Records for Walls and Columns (RCC elements preceding the requested inspection)			
18	Scaffolding Certificate by Third Party			
19	Scaffolding Shop Drawings approved by Consultant			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for POST TENSION SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS			
1	Floor Height according to approved drawings			
2	Scaffolding executed as per Shop Drawings approved by Consultant			
3	Thickness of Slab as per approved drawings			
4	Thickness of Slab as per approved drawings			
5	Location of Openings as per approved drawings			
6	Deep Beams & others beams dimensions as per approved drawings			
7	Cantilever Projection Length as per approved drawings			
8	Slab Duct size and length as per AD			
9	PT profiles & spacing for slab (in compliance with A.D)			
10	Number of Tendons			
11	PT positions should be marked on formwork			
12	Opening size more than 600mm x 600 mm (approval from CED has to be obtained prior to execution)			
13	Low and High point locations (in compliance with A.D)			
14	Coordination Between PT and MEP Services/Conduits			
15	Grouting and venting pipes (as per A.D & Code Requirements)			

Consultant Stamp & Signature	Contractor Stamp & Signature



Structural Works Checklist for POST TENSION SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

	SITE OBSERVATIONS (Contd.)			
16	Tendons to have smooth profiles and sharp deviations to be avoided.			
17	Dead and Live End details are in compliance with A.D			
18	Bar diameter for Chairs should not be less than 8mm (Chairs - for fixing Tendon Duct to required profile)			
19	Details of PT couplers are in compliance with A.D			
20	Anti-bursting reinforcement (as per A.D)			
21	Edge reinforcement for protection of unstressed areas around PT Tendons to be as per A.D			
22	PT Profiles & spacing for Beams are in compliance with A.D			
23	Details of Reinforcement for Floor Pan Box (as per A.D)			
24	Pour Strip location and size (as per A.D)			
25	Main Reinforcement (diameter and spacing as per A.D)			
26	Secondary Reinforcement (diameter and spacing as per A.D)			
27	Additional Reinforcement (diameter and spacing as per A.D)			
28	Punching Shear Reinforcement (as per A.D)			
29	Curtailement of reinforcement as per A.D			
30	Cantilever Projection Reinforcement (as per A.D)			
31	Anchorage length of reinforcement (as per A.D)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for POST TENSION SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

	SITE OBSERVATIONS (Contd.)			
32	Reinforcement Around Openings – (no. of bars, diameter and spacing as per A.D)			
33	Slab & Beam connections to Supports. (as per A.D)			
34	Pour Strip Reinforcement & location			
35	Main Reinforcement for beams			
36	Shear Reinforcement for beams (as per A.D)			
37	Shrinkage Reinforcement for beams. (as per A.D)			
38	Deep Transfer Beams Main and Secondary Reinforcement (as per A.D)			
39	Side Reinforcement for Deep Beams as per approved drawings			
40	Torsion Reinforcement as per approved drawings			
41	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations.			
42	Reinforcement Cover to be as per A.D and according to Code Requirements			
43	Lap Length and location to be as per A.D and according to Code Requirements			
44	Construction Joint location and detailing			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for PIPES & MANHOLES

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection for Pipes & Manhole				
1	DOCUMENTATION	Y	N	Remark
1	CED NOC Approval			
2	Affection Plan			
3	Demarcation Certificate/Bench Mark (Approved from relevant Authority/Business Unit)			
4	Valid Consultant License.			
5	Valid contractor License (Valid License of nominated specialist sub-contractor).			
6	Approved Drawing from CED.			
7	Approved Concrete mix design from CED.			
8	CED inspection record.			
9	Shop drawing approved by consultant (Based on AD from CED)			
10	Steel Reinforcement Test Certificate (By Third Party)			
11	Trial mix result approved by consultant.			
12	In case shoring work is required / inspection should be submitted as per shoring procedure inspection.			
13	NOC from DEWA Power / Water.			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for PIPES & MANHOLES

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

1	DOCUMENTATION (Contd.)	Y	N	Remark
14	NOC from Telecommunication provider in the area / empower			
15	Pipe & Fitting factory test certificate approved by consultant.			
2	SITE OBSERVATIONS			
1	Pipes should be supplied and erected (installed) as well with all joint rings, gaskets, washers, bolts, nuts and any other components necessary for the complete installation as per AD & specification.			
2	Supporting & anchoring arrangement for pipe should be as per AD.			
3	Pipes alignment and connection should be as per AD.			
4	Manholes & Chambers shape, size, dimensions, materials, as well as respects to details should be as per AD.			
5	Pipes invert level should be as per AD.			
6	Manhole cover reduce level should be as per AD.			
7	Manhole cover should be heavy duty type as per project specification.			
8	All benching & channel shall be formed with concrete or other materials specified @ drawing and project specifications.			
9	Manhole wall thickness should be as per AD and should be smooth as per project specifications.			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for PIPES & MANHOLES

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

1	SITE OBSERVATIONS (Contd.)	Y	N	Remark
10	Pipes entering / leaving manholes / chamber and other special structure shall be as per AD			
11	Road gullies location & details should be as per AD.			
12	Connection pipe size between gull & manholes should be as per AD.			
13	Back-drop should be as per AD.			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for MARINE WORKS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection for Marine Works				
Floating proverbs & structural inspection for pontoon (piers) & floating proverbs should be submitted for inspection at four stages.				
Before starting the work to check readiness in all aspects				
After completed 50% of manufacturing for pontoons at yard.				
After installing of 50% at site				
At 100% final stage & after completed installing at site				
1	DOCUMENTATION	Y	N	Remark
1	CED NOC Approval			
2	Affection Plan			
3	Demarcation Certificate/Bench Mark (Approved from relevant Authority/Business Unit)			
4	Valid Consultant License.			
5	Valid contractor License (Valid License of nominated specialist sub-contractor).			
6	Approved Drawing from CED.			
7	Approved Concrete Mix drawing			
8	CED inspection record.			
9	NOC from DEWA for power & water.			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for MARINE WORKS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

10	NOC from Telecommunication provided in the area.			
11	NOC from RTA			

2	SITE OBSERVATIONS			
1	Pontoon(pier)/Floating proverbs/Jetty/Moorings)			
2	Pontoon/Finger dimension should be as per Approved Drawings			
3	Pontoon/Finger Reinforcement should be as per Approved Drawings			
4	Pontoon/Finger protective coating should be as per Approved Drawings & project specification			
5	Pontoon/Finger Orientation/Alignment should be as per Approved Drawings			
6	Pile protective coating/ cathodic protection system should be as per Approved drawing & project specification			
7	Water depth alongside the berth (floating docks) should be as per Approved drawing & project specification			
8	Fender arrangement should be as per Approved drawing & project specification			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for MARINE WORKS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)			
10	Mooring system should be as per Approved drawing & project specification			
11	Racking piles for rigged mooring dolphin should be as per Approved drawing			
12	Concrete cup dimension for mooring should be as per Approved drawing			
13	Gang way dimension/materials should be as per Approved drawing & project specification			
14	Anchor chain should be as per Approved drawing			
15	Pontoon/Finger connection should be as per Approved drawing			
16	Bolt connection/grade/Dimension should be as per Approved drawing & project specification			
17	Jetties/Deck slab thickness/Beam/Connection should be as per Approved drawing & project specification			
18	Hand rail for Jetties should be as per Approved drawing			
19	Shade details for jetty should be as per Approved drawing & project specification			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for ANCHOR BOLT SETTING PLAN

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection for Anchor Bolt Setting Plan				
1	DOCUMENTATION	Y	N	Remark
1	Affection Plan / Re-demarcation Certificate for Ground Floor Level			
2	Valid Contractor's License for Structural Steel Fabrication Works (Nominated/Specialized Sub Contractor)			
3	Approved Drawings from CED			
4	Steel Structure Shop Drawings approved by Consultant (based on A.D of CED)			
5	Pull-out Test for Studs			
6	Bolts and Studs Test Certificate			
7	Welding Test Certificate			
8	Concrete Mix Design approved Consultant. (Topping and Grouting for joints - Design Regulations)			
9	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
10	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			
11	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			
12	CED Inspection Records (Activities as inspected by CED Engineers)			
13	Warranty from Specialist Sub Contractor/Supplier for Works Executed (for 10 years & before the BCC)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for ANCHOR BOLT SETTING PLAN

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

14	Materials Certificate from Specialist Company as per Code			
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2	SITE OBSERVATIONS	Y	N	Remark
1	Bolt Diameter / Length Comply with A.D			
2	Bolt to Bolt Dimension as per A.D			
3	Bolts Install @ correct location / orientation as per A.D			
4	Number of bolt @ each base as per A.D			
5	Bolt Grade as per A.D			
6	Distance from Bolts to edge concrete as per A.D			
7	Bolt thread projection as per A.D			
8	Concrete Base level as per A.D			
9	Concrete Base reinforcement as per A.D			
10	Reinforcement size / detailing as per			
11	Concrete cover as per A.D			
12	Concrete shutter / formwork as per A.D			
13	Beams size / reinforcement as per A.D			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection Checklist for STEEL STRUCTURE FRAMING

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Is the Back Propping Refer to the code and site loading conditions			
2	Affection Plan / Re-demarcation Certificate for the Ground Floor Level			
3	Valid Contractor's License for Structural Steel Fabrication Works (Nominated/Specialized Sub Contractor)			
4	Approved Drawings from CED			
5	Steel Structure Shop Drawings approved by Consultant (based on A.D of CED)			
6	Pull-out Test for Studs			
7	Bolts and Studs Test Certificate			
8	Welding Test Certificate			
9	Concrete Mix Design approved Consultant. (Topping and Grouting for joints - Design Regulations)			
10	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
11	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			
12	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection Checklist for STEEL STRUCTURE FRAMING

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

13	CED Inspection Records (Activities as inspected by CED Engineers)			
14	Warranty from Specialist Sub Contractor/Supplier for Works Executed (for 10 years & before the BCC)			
15	Materials Certificate from Specialist Company as per Code			
2	SITE OBSERVATIONS	Y	N	Remark
1	Fabrication & erection tolerance complied with National Standard			
2	Main Frames Plumber / aligned as per A.D			
3	Surface defects in hot rolled / cold section in accordance with National Standards			
4	Location & orientation comply with A.D			
5	Setback comply with A.D			
6	Direct/Gusseted/pin connections comply with A.D / specification & National Standard			
7	base Plate size / thickness comply with A.D / Specification			
8	HSB Dimension/grade comply with A.D/Specification			
9	HSB / NB thread projection as per Standard / Specification			
10	Bolt center to center comply with A.D			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Inspection Checklist for STEEL STRUCTURE FRAMING

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
11	Bolts correctly tightened			
12	Columns / Rafters / Beams comply with A.D			
13	Welding type connection comply with A.D			
14	Columns/Rafters / Beams Splices comply with A.D			
15	Bracing / strut tube stayed cables comply with A.D			
16	Purlins/Girt comply with A.D			
17	Columns / Beams stiffeners comply with A.D			
18	Nuts / washers comply with Specifications			
19	Crane runway girder / dimension / installing comply with A.D / Specification			
20	Fabrication & erection tolerance complied with National Standard			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for ROAD WORKS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection for Road Works				
Floating proverbs & structural inspection for pontoon (piers) & floating proverbs should be submitted for inspection at four stages.				
Before starting the work to check readiness in all aspects				
After completed 50% of manufacturing for pontoons at yard.				
After installing of 50% at site				
At 100% final stage & after completed installing at site				
1	DOCUMENTATION	Y	N	Remark
1	CED NOC Approval			
2	Affection Plan			
3	Demarcation Certificate/Bench Mark (Approved from relevant Authority/Business Unit)			
4	Valid Consultant License.			
5	Valid contractor License (Valid License of nominated specialist sub-contractor).			
6	Approved Drawing from CED.			
7	Approved Concrete Mix drawing			
8	CED inspection record.			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for ROAD WORKS

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

9	NOC from DEWA for power & water.			
10	NOC from Telecommunication provided in the area.			
11	NOC from RTA			
2	SITE OBSERVATIONS	Y	N	Remark
1	Earthing work for (Formation, Sub-Grade & Sub Base) setting out plan, Levelling and compaction should as per approved drawing as well as project specification.			
2	Asphalt road should be cleaned			
3	Asphalt rolling compaction should be as per project specification.			
4	Asphalt Road (Levelling, slopes, grading, curving & super elevation should be as per approved drawing.			
5	Kerb stone (fixing, hunching & expansion joint should be as per approved drawings & specification as well.			
6	Water Gutter location should be as per approved drawings.			
7	water depth alongside the berth (floating docks) should be as per Approved drawing & project specification			
8	Ponding (size & location) should be as per approved drawing.			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for PILE CAPS (without Raft)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection for Pile Caps (Without Raft)

- Depth of Pile Caps ≥ 1.5 meter: Two Inspections are required, one for Bottom Steel and the second after completion of work
- Depth of Pile Caps ≥ 1.0 meter: Method Statement for Casting of Concrete, approval from Consultant required

1	DOCUMENTATION	Y	N	Remark
1	Approved Drawings from CED Demarcation certificate with affection plan by Trakhees			
2	Shop Drawings approved by Consultant (based on A.D of CED)			
3	Concrete Mix Design approved by Consultant			
4	Steel Reinforcement Test Certificates (by 3rd Party & as per Code Requirements)			
5	CED Inspection Records (Activities as inspected by CED Engineers)			
6	NOC for Tower Crane Location (from relevant Authority/Business Unit)			
2	SITE OBSERVATIONS	Y	N	Remark
1	Pile Cap Dimensions as per A.D			
2	Location of Columns and Walls (to be marked and as per A.D)			
3	Dimensions of Columns and Walls			
4	Dimensions of Strap Beams			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for PILE CAPS (without Raft)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
5	Correct Foundation Level in relation to Bench Mark (as per A.D of CED)			
6	Reinforcement for Pile Caps - Diameter and spacing (as per A.D)			
7	Additional Reinforcement provided (as Indicated on A.D)			
8	Punching Shear Reinforcement around Columns and Walls (as per A.D)			
9	Cover to Reinforcement on top of Piles (above the Pile Head Treatment)			
10	Anti-Bursting Reinforcement - Diameter and spacing (as per A.D)			
11	Strap Beams reinforcement & details. (as per A.D)			
12	Columns and Walls Starter Bars - Diameter and details. (as per A.D)			
13	Detailing of all reinforcement (according to ACI, BS) as per CED Regulations			
14	Reinforcement Cover to be as per A.D and according to Code Requirements.			
15	Lap Length and Location to be as per A.D and according to Code Requirements			
16	Adequate support for concrete formwork.			
17	Tower Crane Location as per A.D by CED (applicable only when it is located within the structural element)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works for Break Water/Shore Revetment

Quay wall (Sea wall/Berth/Anchor wall)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Marine NOC if any condition			
2	Demarcation Certificate			
3	Approved drawing by CED			
4	Valid Affection Plan			
5	DM Approval letter for Consultant/Contractor Foreign Company			
6	Site lab certificate			

2	SITE OBSERVATIONS	Y	N	Remark
1	Break water location should be as per Approved Drawing			
2	Weight of armor unit/shape should be as per Approved Drawing			
3	Thickness of armor layer/slope should be as per Approved Drawing			
4	Weight of under layer rock/thickness should be as per Approved Drawing/Project specification			
5	Core structure should as per Approved Drawing			
6	Crest Dimension/level should as per Approved Drawing			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works for Break Water/Shore Revetment

Quay wall (Sea wall/Berth/Anchor wall)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
7	Toe protection should be as per Approved Drawing			
8	Break water length should be as per Approved Drawing			
9	Coping for break water should as per Approved Drawing			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for PRECAST SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

Structural Works Inspection for Precast Slab
- Pre-Cambering for Long Spans & Cantilever to be carried out as per approved drawings and according to Code Requirements
- Back Propping is required as per Code and site loading conditions

1	DOCUMENTATION	Y	N	Remark
1	Affection Plan / Re-demarcation Certificate for ground floor slab and basement slab on the ground floor level			
2	Approved Drawings from CED			
3	Reinforcement Shop Drawings approved by Consultant (based on A.D of CED)			
4	Concrete Mix Design and Trial mix Result Report			
5	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			
6	Steel Reinforcement Pull-Out Test Certificates - if required, by 3rd Party & as per Code Requirements			
7	Certificate of Acceptable Tolerances in Vertical Members (approved by Consultant)			
8	CED Inspection Records (Activities as inspected by CED Engineers)			
9	Compressive Strength of Concrete Test Records for Walls and Columns (RCC elements preceding the requested inspection)			
10	Scaffolding Certificate by Third Party			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for PRECAST SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

11	Scaffolding Shop Drawings approved by Consultant			
12	Method Statement approved by Consultant			

2	SITE OBSERVATIONS			
1	Beams Height according to approved drawings			
2	Scaffolding executed as per Shop Drawings approved by Consultant			
3	Beam Dimensions as per approved drawings			
4	Beam connections to Supports as per approved drawings			
5	Cantilever Projection Length as per approved drawings			
6	Bearing Strip Dimensions (as per A.D)			
7	Main Reinforcement (diameter and spacing as per A.D)			
8	Secondary Reinforcement (diameter and spacing as per A.D)			
9	Additional Reinforcement (diameter and spacing as per A.D)			
10	Curtailment of reinforcement as per A.D			
11	Cantilever Projection Reinforcement (as per A.D)			
12	Shear Reinforcement for Beams (as per A.D)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for PRECAST SLAB

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)			
13	Anchorage Length of reinforcement as per approved drawings			
14	Bearing Strip Reinforcement to be as per approved drawings (number of bars, diameter & spacing)			
15	Steel Dowels for connections to be as per approved drawings and CED Regulations			
16	Detailing of all the reinforcement (to be according to ACI, BS) based on CED Regulations			
17	Reinforcement Cover to be as per A.D and according to Code Requirements			
18	Lap Length and location to be as per A.D and according to Code Requirements			
19	Construction Joint location and detailing			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for SPECIAL FOUNDATIONS (Silos, Machine Foundations & Storage Yard Foundations)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

1	DOCUMENTATION	Y	N	Remark
1	Site lab certificate by Trakhees			
2	Retaining walls not required of inspection by CED if shoring is present.			
3	Must be One side of formwork to be left open after installed the reinforcement in order to enable inspection by CED.			
4	Building Permit			
5	Affection Plan			
6	Demarcation Certificate and Bench Mark - Approval (from relevant Authority/B.U)			
7	Valid Consultant's License			
8	Valid Contractor's License			
9	Approved Drawings from CED			
10	Shop Drawings approved by Consultant (based on A.D of CED)			
11	Concrete Mix Design approved by Consultant			
12	Steel Reinforcement Test Certificates by 3rd Party & as per Code Requirements			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for SPECIAL FOUNDATIONS (Silos, Machine Foundations & Storage Yard Foundations)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

1	DOCUMENTATION (Contd.)	Y	N	Remark
13	CED Inspection Records (Activities as inspected by CED Engineers)			
14	Confirmation of Bearing Capacity at actual Foundation Level by 3rd Party & verified as per Design Regulations			
15	Compaction Test Record for Sub grade Soil by 3rd Party & verified as per Soil Report Requirements			
16	Soil Improvement Test Records, if required, by 3rd Party & verified as per Soil Report Requirements			
17	NOC from DEWA - Power			
18	NOC from DEWA - Water			
19	NOC from Telecommunication provider in the area			
20	NOC from neighbour (whenever encroachment is made)			
21	NOC for Tower Crane Location (from relevant Authority/ B.U)			
2	SITE OBSERVATIONS	Y	N	Remark
1	Observation of Setback distance (as per A.D of CED)			
2	Correct Foundation Level in relation to Bench Mark (as per A.D of CED)			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for SPECIAL FOUNDATIONS (Silos, Machine Foundations & Storage Yard Foundations)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
3	Correct Orientation of Building			
4	Dimensions of Footings as per A.D of CED			
5	Dimensions of Strap Beams			
6	Location of Columns and Walls as per A.D and to be marked			
7	Dimensions of Columns and Walls			
8	Footings Reinforcement - Diameter and spacing (as per A.D)			
9	Additional Reinforcement provided (as Indicated on A.D)			
10	Punching Shear Reinforcement around Columns and Walls (as per A.D)			
11	Strap Beams Reinforcement - Diameter and spacing (as per A.D)			
12	Columns and Walls Starter Bars - Diameter and spacing (as per A.D)			
13	Detailing of all reinforcement (to be according to ACI, BS) as per CED Regulations			
14	Reinforcement Cover to be as per A.D and according to Code Requirements			
15	Lap Length and location to be as per A.D and according to Code Requirements			

Consultant Stamp & Signature	Contractor Stamp & Signature

Structural Works Checklist for SPECIAL FOUNDATIONS (Silos, Machine Foundations & Storage Yard Foundations)

Submission Ref:		Inspection Date:	
Applicant Information			
Consultant Name		e-mail	
Accredited Engineer Name		Mobile No.	
Contractor Name		e-mail	
Accredited Engineer Name		Mobile No.	
Project Information			
CED Permit/ NOC Ref. No.		Plot No.	

2	SITE OBSERVATIONS (Contd.)	Y	N	Remark
16	Length of dowels for Columns & Walls (as per A.D)			
17	Adequate Support for Concrete Formwork			
18	Tower Crane Location and additional reinforcement as per A.D (applicable only when located within the structural element)			

Consultant Stamp & Signature	Contractor Stamp & Signature