

No. EA/986/0822/2018
April 9, 2018



EA Consulting Pvt Ltd

Mr. Ali Gohar Larik
Executive Engineer
Sindh Madrassatul Islam University,
Aiwan-e-Tijarat Road,
Karachi.

**Subject: DEVELOPMENT OF SMIU MODEL SCHOOL AND UNIVERSITY
ACADEMIC BLOCKS AT SMIU CITY CAMPUS
PRE-QUALIFICATION EVALUATION REPORT**

Dear Sir,

In reference to your Letter No. SMIU/DPD&S/2017-999 dated April 3, 2018, regarding evaluation of Contractors for Pre-Qualification of 'Development of SMIU Model School and University Academic Blocks at SMIU City Campus', please find enclosed Report on Pre-Qualification of Contractors for your kind perusal & further actions.

Soft Copy of the same shall be sent by today.

Sincerely
For EA Consulting (Pvt) Ltd.


Samiullah Khan
Senior Contract Manager

Encl: As stated above



✓ ISO 9001:2015
✓ ISO 14001:2015
✓ OHSAS 18001:2007

ARCHITECTURE
ENGINEERING
PROJECT MANAGEMENT

KARACHI
ISLAMABAD
LAHORE
DUBAI
ABU DHABI
CANADA

Al-9, 15th Lane
Off Khayaban-e-Hilal
Phase VII, DHA
Karachi, Pakistan

T +92 21 111 111 584
F +92 21 3584 1825

info@eaworld.com
www.eaworld.com

SINDH MADRESSATUL ISLAM UNIVERSITY (SMIU)



DEVELOPMENT OF SMIU MODEL SCHOOL AND
UNIVERSITY ACADEMIC BLOCKS AT SMIU CITY
CAMPUS

REPORT ON
PRE-QUALIFICATION OF
CONTRACTORS



EA Consulting Pvt Ltd

(Formerly Engineering Associates)

Engineering, Architecture & Project Management

Head Office: AL-9, 15th Lane, Khayaban-e-Hilal,
Phase VII, D.H.A., Karachi-75500.,

Tel: UAN: 111-111-584, Fax: (021) 3584-1825

Table of Contents

1. INTRODUCTION:	2
2. INVITATION FOR PRE-QUALIFICATION:.....	2
3. PARTICIPANTS OF THE PRE-QUALIFICATION PROCESS:	2
4. RECEIPT OF APPLICATIONS:.....	3
5. EXAMINATION AND EVALUATION OF APPLICATION:	3
5.1 MANDATORY PROVISION/ELIGIBILITY:	3
5.2 EVALUATION/QUALIFICATION CRITERIA:	3
5.3 OBSERVATIONS / REMARKS ON RESPECTIVE TECHNICAL BIDS:-	6
6. CONCLUSION & RECOMMENDATION:	9



REPORT ON PREQUALIFICATION OF CONTRACTORS

1. INTRODUCTION:

For works namely “**Development of SMIU Model School and University Academic Blocks at SMIU City Campus**”. Copies of Prequalification Documents of eleven (11) firms, were received from Sindh Madressatul Islam University (SMIU) Office at Head Office of EA Consulting (Pvt) Limited on 3rd April 2018 vide Letter No. SMIU/DPD&S/2017-999 dated 3rd April 2018.

This report has been prepared after carefully reviewing and scrutinizing the Pre-Qualification Documents submitted by these eleven (11) firms giving complete details of evaluation and recommendations as per the defined criteria provided at the time of pre-qualification process.

2. INVITATION FOR PRE-QUALIFICATION:

SMIU published the advertisement in Daily Dawn, Daily Jang (Karachi) and Daily Kawish on 16th March 2018 inviting the Contractors registered with Income Tax, Sind Revenue Board (SRB) and Pakistan Engineering Council (PEC) in category C-4 to pre-qualify for the project mentioned in Para-1 of the document.

3. PARTICIPANTS OF THE PRE-QUALIFICATION PROCESS:

Pre-Qualification documents were purchased by the following Contractors:-

- | | |
|--|---|
| 1. M/s Cemcon Group | 2. M/s Ziauddin Ahmed & Co. (Pvt) Ltd |
| 3. M/s Manzoor Ahmed | 4. M/s Kazi Nisar Ahmed & Company |
| 5. M/s Jafsons & Company | 6. M/s Shakoor Construction Co. |
| 7. M/s AH Construction Pvt Ltd. | 8. M/s AMCORP Engineering and
Construction (Pvt) Ltd |
| 9. M/s Pakistan Civil & Electric Works | 10. M/s Shafi Mohammad |
| 11. M/s RK Construction & Co and
M/s Mehran Associates - JV | |



4. RECEIPT OF APPLICATIONS:

The pre-qualification application was submitted by the above mentioned Contractors by 14:00 hours on 3rd April 2018 and was opened on same day at 15:00 hours in the Directorate of Planning and Development Sindh Madressatul Islam University, Aiwan-i-Tijarat Road, Karachi.

5. EXAMINATION AND EVALUATION OF CONTRACTORS:

Detailed scrutiny of all eleven (11) Contractors that participated in the Pre-qualification process was carried out in accordance with the prescribed Pre-Qualification Evaluation Criteria.

5.1 MANDATORY PROVISION/ELIGIBILITY:

As per defined Criteria in the Pre-Qualification Document, all Applicants were obligated to submit following Mandatory details/document:-

- a) Registration with PEC C-4 or above
- b) Registration with FBR (NTN Certificate)
- c) Registration with SRB (Sindh Sales Tax Certificate)

Compliance shown by Applicants in submission of above Mandatory Requirements is detailed in Annexure-B.

5.2 EVALUATION/QUALIFICATION CRITERIA:

Following is the defined criteria based on which the received eleven (11) application of participants were evaluated:-

QUALIFICATION CRITERIA	
FINANCIAL SOUNDNESS	25
EXPERIENCE RECORD	30
PERSONNEL CAPABILITIES	25
EQUIPMENT CAPABILITIES	20
TOTAL:	100



S.No.	Category	Weightage/ Marks
1	Financial Soundness <ul style="list-style-type: none"> Bank Credit Line – up to Rs. 40 Million Working Capital in last 03 Years – Rs. 100 Million Affidavit of No Litigation History Affidavit of no Blacklisting from any Agency 	25.0 7.5 7.5 5.0 5.0
2	Experience Record	30.0
(i)	Projects of similar nature and complexity (100 million or above) completed in last: <ul style="list-style-type: none"> a) 1 to 3 year's (1 Project x 5 Points) b) 3 to 6 year's (1 Project x 3 Points) c) 6 to 10 year's (1 project x 1 Points) d) Above 10 year's Specific Experience 	15.0 15.0 9.0 3.0 0.0
(ii)	Projects of similar nature and complexity (100 million or above) in hand. <ul style="list-style-type: none"> a) 3 or Above Projects b) 2 Projects c) 1 Projects 	15.0 15.0 10.0 5.0
3	Personnel Capabilities	25.0
(i)	Engineers Registered with PEC <ul style="list-style-type: none"> a) Project Manager with 18 years' Experience. (1 No.) b) Construction Manager with 15 years' Experience. (1 No.) c) Planning Engineer with 12 years' Experience. (1 No.) d) Electrical Engineer with 12 years' Experience. (1 No.) e) Site Engineers Civil with 8 years' Experience. (2 No.) f) Mechanical Engineer with 12 years' Experience. (1 No.) g) Material Engineer with 10 years' Experience. (1 No.) 	20.0 5.0 5.0 3.0 2.0 2.0 2.0 1.0
(ii)	Diploma Engineers in Employment of the Firm <ul style="list-style-type: none"> a) Site Supervisors with 10 years' Experience (Civil) (2 No.) b) Site Supervisor with 10 years' Experience (Electrical) (1 No.) c) Site Supervisor with 10 years' Experience (Mechanical) (1 No.) d) Surveyor & Lab Technician (Each with 10 years' Experience. (1 No.) 	5.0 2.0 1.0 1.0 1.0



S.No.	Category	Weightage/ Marks
4	Equipment Capabilities	20.0
	1. Surveying Equipment (Including Total Station) (01 Set)	0.5
	2. Earth Moving Machinery (Shovel, Grader, Excavator, Loader, backhoe) (1 No. each)	1.0
	3. Passenger Hoist (1 No.)	0.5
	4. Steel Cutting & Bending Machine Electrical (02 No)	2.0
	5. Transit Mixer (03 No)	3.0
	6. Plate Compactors (02 No)	1.0
	7. Concrete Batching Plant (30m ³ /hr Cap.) [01 No]	4.0
	8. Dumpers 2 ton capacity	2.0
	9. Water Browser	0.5
	10. Steel Shuttering including Scaffolding (50,000 Sft)	4.0
	11. Concrete vibrators	0.5
	12. Concrete Pump	0.5
	13. Generator (100 KVA, 01 No)	0.5
	Total	100

Pre-qualification has to be decided on the basis Pass/Fail. The applicant must secure at least **50% score in each category** in order to stand as Qualified.

Based on the above Prequalification criteria the following eleven (11) Contracting Firms have been evaluated;

S.No.	Contracting Firms	Marks
1.	M/s Cemcon Group	41.0
2.	M/s Ziauddin Ahmed & Co. (Pvt) Ltd	90.5
3.	M/s Manzoor Ahmed	63.0
4.	M/s Kazi Nisar Ahmed & Company	45.0
5.	M/s Jafson & Co.	25.5
6.	M/s Shakoor Construction Co.	17.0
7.	M/s AH Construction Co.	57.0
8.	M/s AMCORP Engineering and Construction (Pvt) Ltd	90.0
9.	M/s Pakistan Civil & Electrical Works	65.5
10.	M/s Shafi Mohammad	29.0
11.	M/s JV RK Construction Co & Mehran Associates	44.5

Breakup / details of the above Marks obtained by the Bidders' are given in Annexure-B.



5.3 OBSERVATIONS / REMARKS ON APPLICATIONS:-

a) M/s Cemcon Group

M/s Cemcon Group provided all the mandatory requirements prescribed in the Pre-Qualification document.

This applicant was unable to qualify since the details provided by them against the Qualification Criteria of “Experience Record” do not show any project of similar nature and complexity completed by them in the last ten years and thus did not meet the minimum qualifying score.

b) M/s Ziauddin Ahmed & Co. (Pvt) Ltd

M/s Ziauddin Ahmed & Co. (Pvt) Ltd provided all the mandatory requirements prescribed in the Pre-Qualification document.

The applicant was able to meet and scored more than minimum required marks in each Category (Financial Soundness, Experience Record, Personnel Capabilities and Equipment Capability) and thereby **stands qualified**.

c) M/s Manzoor Ahmed

M/s Manzoor Ahmed provided all the mandatory requirements prescribed in the Pre-Qualification document.

The applicant was able to meet and scored more than minimum required marks in each Category (Financial Soundness, Experience Record, Personnel Capabilities and Equipment Capability) and thereby **stands qualified**.

d) M/s Kazi Nisar Ahmed & Company

M/s Kazi Nisar Ahmed & Company provided all the mandatory requirements prescribed in the Pre-Qualification document.

This applicant was unable to qualify since the details provided by them against the Qualification Criteria of “Experience Record” do not show any project of similar nature and complexity completed by them in the last ten years and thus did not meet the minimum qualifying score.



e) M/s Jafson & Co.

M/s Jafson & Co. is the only Contracting Firm which was unable to submit Mandatory Requirement. Even though the Mandatory Requirement of Sales Tax has not been provided, the other mandatory requirements of i.e registration with PEC and NTN Certificate are fulfilled, therefore, it is considered as accepted and the applicant is evaluated further.

Further evaluation of the applicant shows that the firm is still unable to meet the minimum required marks in each Category (Financial Soundness, Experience Record, Personnel Capabilities and Equipment Capability) in order to pre-qualify.

f) M/s Shakoor Construction Co.

M/s Shakoor Construction Co. provided all the mandatory requirements prescribed in the Pre-Qualification document.

This applicant was unable to qualify since the details provided by them against the Qualification Criteria of "Experience Record" do not show any project of similar nature and complexity completed by them in the last ten years and thus did not meet the minimum qualifying score.

g) M/s AH Construction Co.

M/s AH Construction Co. provided all the mandatory requirements prescribed in the Pre-Qualification document.

The applicant was able to meet and scored more than minimum required marks in each Category (Financial Soundness, Experience Record, Personnel Capabilities and Equipment Capability) and thereby **stands qualified**.

h) M/s AMCORP Engineering and Construction (Pvt) Ltd

M/s AMCORP Engineering and Construction (Pvt) Ltd provided all the mandatory requirements prescribed in the Pre-Qualification document.

The applicant was able to meet and scored more than minimum required marks in each Category (Financial Soundness, Experience Record, Personnel Capabilities and Equipment Capability) and thereby **stands qualified**.



i) M/s Pakistan Civil & Electric Works

M/s Pakistan Civil & Electrical Works provided all the mandatory requirements prescribed in the Pre-Qualification document.

The applicant was able to meet and scored more than minimum required marks in each Category (Financial Soundness, Experience Record, Personnel Capabilities and Equipment Capability) and thereby **stands qualified**.

j) M/s Shafi Mohammad

M/s Shafi Mohammad provided all the mandatory requirements prescribed in the Pre-Qualification document.

This applicant was unable to qualify since the details provided by them against the Qualification Criteria of “Experience Record” do not show any project of similar nature and complexity completed by them in the last ten years and thus did not meet the minimum qualifying score.

k) M/s JV RK Construction & Co and M/s Mehran Associates

M/s JV RK Construction Co & Mehran Associates provided all the mandatory requirements prescribed in the Pre-Qualification document.

This applicant was unable to qualify since the details provided by them against the Qualification Criteria of “Experience Record” do not show any project of similar nature and complexity completed by them in the last ten years and thus did not meet the minimum qualifying score.



6. CONCLUSION & RECOMMENDATION:

Based on Evaluation / Qualification Criteria stated in para-5.2 above, following firms have been assessed to have passed minimum passing percentile of 50% in each Category:-

No.	Name of Bidder	Score
1.	M/s Ziauddin Ahmed & Co. (Pvt) Ltd	90.5
2.	M/s AMCORP Engineering and Construction (Pvt) Ltd	90.0
3.	M/s Pakistan Civil & Electrical Works	65.5
4.	M/s Manzoor Ahmed	63.0
5.	M/s AH Construction Co.	57.0



ANNEXURE – A

ADVERTISEMENT FOR PREQUALIFICATION





Sindh Madressatul Islam University

Aiwan-e-Tijarat Road, Karachi 74000.
Phones: +92-21-9217501-02-03 (Ext. 223,224),
Fax: +92-21-99217504
Email: info@smiu.edu.pk, URL: <http://www.smiu.edu.pk>

NO. SMIU/PRQ-2018/01

PRE-QUALIFICATION OF CONTRACTORS

Sindh Madressatul Islam University Karachi intends to pre-qualify the well reputed Contractors/Joint venture of Contractors who are registered with Income tax, SRB, and Pakistan Engineering Council (PEC) in category C-4 or above for the project viz **"Development of SMIU Model School at Sindh Madressatul Islam University, Aiwan-i-Tijarat Road, Karachi."** Those interested may send their Expression of Interest (EOI) containing the following:

- Company Profile/Brochure
- Pre-qualification/experience certificates from Government and private entities.
- Details of Technical staff
- Proof and detail of similar works (on going and completed)
- An affidavit certificate that the firm has never been black listed by Government/ Autonomous/ Private bodies.
- Income tax, valid NTN, STN & clearance certificate for the last 3 years.
- Any additional information which may help for pre-qualification of firm.

Contractors/Joint Venture of Contractors with valid PEC License can obtain Pre-Qualification documents from the Office of Directorate of Planning & Development against request letter on company letter head with pay order/ demand draft of Rs.1000/- in favor of **Sindh Madressatul Islam University** on any working day during office hours from **16th March 2018 to 2nd April 2018** and can be download from SPPRA website: www.pprasindh.gov.pk and SMI University website: www.smiu.edu.pk

The application along with all documents for pre-qualification is to be submitted on **3rd April 2018** by **14:00 hours** and will be opened on same day at **15:00 hours in the Directorate of Planning and Development Sindh Madressatul Islam University, Aiwan-i-Tijarat Road, Karachi** before procurement committee and participating contractors/firms or their authorized agents who intend to be present.

The Envelop of submittals must clearly state "Application for Pre-Qualification Documents for Development of SMIU Model School at Sindh Madressatul Islam University, Aiwan-i-Tijarat Road, Karachi"

In case any unforeseen situation resulting in closure of office on the date of opening or if Government declares Holiday the tender shall be submitted/opened on the next working day at the same time and venue.

PID(K)#3474/17 **Executive Engineer, SMIU, Karachi**



ANNEXURE – B

PRE-QUALIFICATION EVALUATION SHEET SUMMARY & DETAILED



TECHNICAL EVALUATION OF CONSTRUCTORS / CONTRACTORS																								
MANDATORY REQUIREMENTS																								
S.no	Description	M/s Cemcon Group		M/s Ziauddin Ahmed & Company (Pvt) Ltd		M/s. Manzoor Ahmed		M/s. Kazi Nisar Ahmed & Company		M/s. Jafsons & Company		M/s Shakoore Construction Co.		M/s. AH Construction Co.		M/s. Amcorp Engineering and Construction (Pvt.) Ltd		M/s. Pakistan Civil & Electric Works		M/s. Shafi Mohammad		M/s. RK Construction & Co. and M/s Mehran Associates - JV		
a	Registration With PEC - Category C-4 or Above	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
b	NTN Certificate	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
c	Sales Tax on Services	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
-----Accepted fot Detailed Examination -----		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
The Applicant must secure at least 50% score in each category																								
QUALIFICATION CRITERIA																								
S.no	Category	Points Allocated	M/s Cemcon Group		M/s Ziauddin Ahmed & Company (Pvt) Ltd		M/s. Manzoor Ahmed		M/s. Kazi Nisar Ahmed & Company		M/s. Jafsons & Company		M/s Shakoore Construction Co.		M/s. AH Construction Co.		M/s. Amcorp Engineering and Construction (Pvt.) Ltd		M/s. Pakistan Civil & Electric Works		M/s. Shafi Mohammad		M/s. RK Construction & Co. and M/s Mehran Associates - JV	
1	Financial Soundness	25	13	52%	22.5	90%	17.5	70%	17.5	70%	10	40%	10	40%	13	52%	25	100%	13	52%	10	40%	10	40%
2	Experience Record	30	0	0%	23	77%	20	67%	0	0%	8.5	28%	0	0%	19	63%	24	80%	18	60%	0	0%	0	0%
3	Personnel Capabilities	25	18	72%	25	100%	14	56%	15	60%	5	20%	5	20%	14	56%	21	84%	19	76%	15	60%	15	60%
4	Equipment Capability	20	10	50%	20	100%	11.5	58%	12.5	63%	2	10%	2	10%	11	55%	20	100%	15.5	78%	4	20%	19.5	98%
-----GRAND TOTAL -----		100	41	41%	90.5	90.5%	63	63%	45	45%	25.5	25.5%	17	17%	57	57%	90	90%	65.5	65.5%	29	29%	44.5	44.5%
-----STATUS-----			FAIL		PASS		PASS		FAIL		FAIL		FAIL		PASS		PASS		PASS		FAIL		FAIL	



TECHNICAL EVALUATION OF CONSTRUCTORS / CONTRACTORS													
FINANCIAL SOUNDNESS													
S.no	Description	Points Allocated	M/s Cemcon Group	M/s Ziauddin Ahmed & Company (Pvt) Ltd	M/s. Manzoor Ahmed	M/s. Kazi Nisar Ahmed & Company	M/s. Jafsons & Company	M/s Shakoore Construction Co.	M/s. AH Construction Co.	M/s. Amcorp Engineering and Construction (Pvt.) Ltd	M/s. Pakistan Civil & Electric Works	M/s. Shafi Mohammad	M/s. RK Construction & Co. and M/s Mehran Associates - JV
i)	Bank Credit line -up to 40 million	7.5	0	5	0	0	0	0	0	7.5	0	0	0
ii)	Working Capital in last 3 years - 100 million	7.5	3	7.5	7.5	7.5	0	0	3	7.5	3	0	0
iii)	Affidavit of no Litigation History where decision went against the Firm	5	5	5	5	5	5	5	5	5	5	5	5
iv)	affidavit of no black listing from any Agency	5	5	5	5	5	5	5	5	5	5	5	5
-----Sub Total-----		25	13	22.5	17.5	17.5	10	10	13	25	13	10	10



TECHNICAL EVALUATION OF CONSTRUCTORS / CONTRACTORS														
EXPERIENCE RECORD														
S.no	Description	Maximum	Points	M/s Cemcon Group	M/s Ziauddin Ahmed & Company (Pvt) Ltd	M/s. Manzoor Ahmed	M/s. Kazi Nisar Ahmed & Company	M/s. Jafsons & Company	M/s Shakoor Construction Co.	M/s. AH Construction Co.	M/s. Amcorp Engineering and Construction (Pvt.) Ltd	M/s. Pakistan Civil & Electric Works	M/s. Shafi Mohammad	M/s. RK Construction & Co. and M/s Mehran Associates - JV
i)	Projects of similar nature and complexity (100 million or above) completed in last: a) 1 to 3 year's (1 project x 5 Points) b) 3 to 6 year's (1 project x 3 Points) c) 6 to 10 year's (1 project x 1 Points) d) Above 10 year's	15	15 9 3 0	0	8	15	0	8.5	0	14	14	3	0	0
ii)	Projects of similar nature and complexity (100 million or above) in hand. a) 3 or Above Projects b) 2 Projects c) 1 Projects	15	15 10 5	0	15	5	0	0	0	5	10	15	0	0
-----Sub Total-----		30		0	23	20	0	8.5	0	19	24	18	0	0



TECHNICAL EVALUATION OF CONSTRUCTORS / CONTRACTORS														
PERSONNEL CAPABILITIES														
S.no	Description	Maximum	Points	M/s Cemcon Group	M/s Ziauddin Ahmed & Company (Pvt) Ltd	M/s. Manzoor Ahmed	M/s. Kazi Nisar Ahmed & Company	M/s. Jafsons & Company	M/s Shakoore Construction Co.	M/s. AH Construction Co.	M/s. Amcorp Engineering and Construction (Pvt.) Ltd	M/s. Pakistan Civil & Electric Works	M/s. Shafi Mohammad	M/s. RK Construction & Co. and M/s Mehran Associates - JV
i)	Engineers Registered with PEC a) Project Manager with 18 years Experience.(1 No.) b) Construction Manager with 15 years Experience.(1 No.) c) Planning Engineer with 12 years Experience.(1 No.) d) Electrical Engineer with 12 years Experience.(1 No.) e) Site Engineer Civil with 8 years Experience.(2 No.) f) Mechanical Engineer with 12 years Experience.(1 No.) g) Material Engineer with 10 years Experience.(1 No.)	20	5 5 3 2 2 2 1	14	20	11	12	0	5	12	20	16	15	12
ii)	Diploma Engineers in Employment of the Firm a) Site Supervisors with 10 years Experience (Civil) (2 No.) b) Site Supervisors with 10 years Experience (Electrical) (1 No.) c) Site Supervisors with 10 years Experience (Mechanical) (1 No.) d) Surveyor & Lab Technician (Each with 10 years Experience.) (1 No.)	5	2 1 1 1	4	5	3	3	5	0	2	1	3	0	3
-----Sub Total-----		25		18	25	14	15	5	5	14	21	19	15	15



TECHNICAL EVALUATION OF CONSTRUCTORS / CONTRACTORS													
EQUIPMENT CAPABILITY													
S.no	Description	Points Allocated	M/s Cemcon Group	M/s Ziauddin Ahmed & Company (Pvt) Ltd	M/s. Manzoor Ahmed	M/s. Kazi Nisar Ahmed & Company	M/s. Jafsons & Company	M/s Shakoore Construction Co.	M/s. AH Construction Co.	M/s. Amcorp Engineering and Construction (Pvt.) Ltd	M/s. Pakistan Civil & Electric Works	M/s. Shafi Mohammad	M/s. RK Construction & Co. and M/s Mehran Associates - JV
1	Surveying Equipment (Including Total Station) (01) Set)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
2	Earth Moving Machinery (Shovel, Grader, Excavator, Loader, Backhoe) (1 No. each)	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	0.0	1.0
3	Passenger Hoist (1 No.)	0.5	0.5	0.5	0.0	0.0	0.5	0.0	0.5	0.5	0.0	0.0	0.5
4	Steel Cutting & Bending Machine Electrical (2 No.)	2.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	2.0
5	Transit Mixer (3 No.)	3.0	0.0	3.0	3.0	2.0	0.0	0.0	3.0	3.0	0.0	0.0	3.0
6	Plate Compactors (2 No.)	1.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	0.0	0.5	1.0
7	Concrete Batching Plant (30m ³ /hr Cap.) (1 No.)	4.0	4.0	4.0	2.0	4.0	0.0	0.0	0.0	4.0	4.0	0.0	4.0
8	Dumpers 2 ton Capacity	2.0	0.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	0.0	2.0
9	Water Browser (01 No)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10	Steel Shuttering including Scaffolding (50,000 Sft)	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0	4.0	4.0	2.0	4.0
11	Concrete vibrators	0.5	0.5	0.5	0.5	0.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
12	Concrete Pump	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.5
13	Generator (100 KVA, 1 No.)	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.5	0.5	0.5	0.0	0.5
-----Sub Total-----		20	10	20	11.5	12.5	2	2	11	20	15.5	4	19.5

