MINISTRY OF HEALTH & FAMILY WELFARE (GOVT OF INDIA) LOKPRIYA GOPINATH BARDOLOI, REGIONAL INSTITUTE OF MENTAL HEALTH (LGBRIMH) TEZPUR, ASSAM- 784001

TENDER

FOR

PACKAGE-I : Construction of Hospital Buildings including PHE, Electrical, HVAC, Fire fighting & Other Internal & External Services in (LGBRIMH), Tezpur, Assam

VOLUME - I

PRE-QUALIFICATION DOCUMENT

JULY' 2012



(Consultants & Engineers for Mega Hospitals & Laboratories) E - 6 (A), Sector - I, NOIDA (U.P.) - 201 301 (INDIA)

PHONE : 91-2542436, 2542440 FAX : 91-11-91-2542447 91-2542443, 2542445 E- mail : HSCC <u>www.hsccltd.co.in</u> E-mail: LGBRIMH: <u>www.lgbrimh.org</u> Tender No HSCC/163/PM/PG-1/ LGBRIMH/2012

Lokpriya Gopinath Bardoloi Regional Institute of Mental Health, (Ministry of Health & Family Welfare) Government of India, Tezpur, Assam

No. HSCC/163/PG-1/2012

Dated: 06.07.2012

Notice Inviting Tender (Retendering)

Bids are invited on behalf of Director-LGBRIMH, TEZPUR (Assam) from eligible contractors/firms in two bid system for the following works:

Sl. No.	Name of Work	Estimated	Bid	Period of	Sale of	Date of
		Cost	Security	Completion	Tender	Submission &
		(Rs.)	(Rs.)	(Months)		opening of bid
Package	Construction of					31.07.2012 at
-1.	Hospital Buildings	93.80	103.80	24 months	10.07.2012	15.00 hrs &
	including PHE,	Crore	Lakhs		to	opening of bid
	Electrical, HVAC, Fire				30.07.2012	31.07.2012 at
	fighting, & other internal				upto 16:00	15.30 Hrs
	& external services in				hrs.	
	LGBRIMH Campus					
	Tezpur, Assam					

For details in regard of eligibility, bid security, purchase & submission of tender document, please refer HSCC website <u>www.hsccltd.co.in</u> & LGBRIMH Institute website <u>www.lgbrimh.org</u> Pre bid meeting shall be held on <u>20.07.2012</u> at <u>15.00 hrs</u> in the office of HSCC (India) Ltd. at E-6(A), Sector 1, Noida – U.P and bids shall also be submitted at the office of HSCC as above. Perspective bidders are advised to regularly scan through HSCC website as corrigendum/amendments etc, if any, will be notified on the company's website and separate advertisement will not be made for this.

Director (LGBRIMH)

Lokpriya Gopinath Bardoloi Regional Institute of Mental Health, (Ministry of Health & Family Welfare) Government of India, Tezpur, Assam

No. HSCC/163/PG-1/2012

Dated: 06.07.2012

Detailed Tender informations

Bids are invited on behalf of Director-LGBRIMH, TEZPUR (Assam) from eligible contractors/firms in two bid system for the following works:

Sl. No.	Name of Work	Estimated	Bid	Period of	Sale of	Date of
		Cost	Security	Completion	Tender	Submission &
		(Rs.)	(Rs.)	(Months)		opening of bid
Package	Construction of					31.07.2012 at
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	including PHE,	Crore	Lakhs		to	opening of bid
	Electrical, HVAC, Fire				30.07.2012	31.07.2012 at
	fighting, & other internal				upto 16:00	15.30 Hrs
	& external services in				hrs.	
	LGBRIMH Campus					
	Tezpur, Assam					

Complete set of tender documents for packages I comprising prequalification document (Volume I), General Conditions of contract (Volume-II), Instructions to Bidders & Specific conditions of contract (Volume III), Technical specifications (Volume IV) and Bill Of Ouantities (Volume V) has been made available at HSCC website www.hsccltd.co.in, and LGBRIMH website www.lgbrimh.org, Volume-VI i.e. Tender Drawings may be obtained from HSCC office on written request (if other volumes 1 to V downloaded from website) and must be submitted along with the complete bid without which the bid may be rejected. The interested applicants/firms may also check their eligibility for the tender. Interested applicants/firms may see the complete set of tender documents which have been kept at dispatch counter of HSCC Corporate office, at E-6(A), sector-1, Noida. Contractors/firms may also purchase the complete set of tender documents comprising of Vol. I, II, III, IV, V and VI (tender drawings) in person from the office of HSCC (I) Ltd, Noida on any working day as mentioned above on written request mentioning the name & description of work against a non refundable fee of Rs. 10,000/- through Cash/demand draft in favour of HSCC (I) Ltd. NOIDA payable at NOIDA or download the tender documents (Vol-I to V) from HSCC & LGBRIMH websites & obtain Vol-VI (tender drawings) and submit complete set of tender documents (Vol-1 to VI) along with the tender document fee of Rs. 10000/- through demand draft including bid security. However in case of downloading of tender documents from websites (Vol-I to V) it will be the responsibility of applicants/firms to ensure that complete tender documents has been downloaded. Interested applicants/firms may like to attend the Pre bid meeting will be held on 20.07.2012 at 15.00 hrs in the office of HSCC (India) Ltd., E-6(A), Sector 1, Noida – U.P and bids shall also be submitted at the office of HSCC as above. The tender document containing volume-I to VI shall be submitted complete in all respect along with requisite amount of bid security in favour of HSCC (I) Ltd Noida on or before due date and time as mentioned above. HSCC/ LGBRIMH reserves the right to accept or reject any application without assigning any reason or incurring any liability whatsoever. Prospective bidders are advised to regularly scan through HSCC web site. Corrigendum/amendments etc., if any, will be notified on the HSCC web site and separate advertisement will not be made for this.

Director (LGBRIMH)

PACKAGE-I : INSTRUCTION TO APPLICANTS

- **PROJECT NAME:** Construction of Hospital Buildings including PHE, Electrical, HVAC, Fire fighting, & other internal & external services in (LGBRIMH), Tezpur,Assam.
- **EMPLOYER**: Director, Lokpriya Gopinath Bardoloi, Regional Institute of Mental Health (LGBRIMH) Post Box NO.15, Tezpur,Assam-784001.

1.0 SCOPE OF BID:

- 1.1 For and On behalf of "Lokpriya Gopinath Bardoloi, Regional Institute of Mental Health (LGBRIMH) Post Box NO.15, Tezpur,Assam-784001 (The Employer), HSCC(I) Ltd., the Consultant, invites sealed tenders in two bid system from the eligible contractors / firms for the following works:
- 1.2 BRIEF DETAILS:

LGBRIMH intents to take up the work of "Construction of Hospital Buildings including PHE, Electrical, HVAC, Fire fighting, & other internal & external services in (LGBRIMH) Post Box NO.15, Tezpur,Assam" through its consultant i.e HSCC (India) Ltd. At present, the work involves "Construction of Multi-storeyed RCC framed structure comprising of Hospital (G+4 storied) Buildings etc including PHE, Electrical, HVAC, Fire fighting, & other internal & external services and its maintenance during the defect liability period including preparation of shop drawings for all services" for Lokpriya Gopinath Bardoloi, Regional Institute of Mental Health (LGBRIMH) Post Box NO.15, Tezpur,Assam-784001.

Estimated cost of works: Rs. 93.80 Crores

Time of Completion: 24 (Twenty Four) Calendar Months-

1.3 Pre-Qualification & tender is open to all the firms having sound financial background and experience of successfully executing the project of similar nature and magnitude.

2.0 SUBMISSION OF APPLICATION:

- 2.1 Tender document including Pre Qualification Application complete in all respect must be submitted in sealed envelopes as per procedure prescribed in clause 15 of Special conditions of contract (SCC) which must be delivered by hand/ by Post/through Courier to HSCC (India) Ltd., E-6A, Sector 1, Noida -201301, U.P, so as to reach not later than designated date & time and be clearly marked "Tender for PACKAGE-I : Construction of Hospital Buildings with associated services for Lokpriya Gopinath Bardoloi, Regional Institute of Mental Health (LGBRIMH) Post Box NO.15, Tezpur, Assam-784001.
- 2.2 The name and mailing address of the Applicant should be clearly marked on the envelope.

- 2.3 All the information asked for pre-qualification and tender shall be answered in the ENGLISH language by all the agencies/firms.
- 2.4 Failure to provide information in the stipulated format enclosed or to provide timely clarification or substantiation of the information supplied (considered essential to evaluate the Applicant's qualification) may result in disqualification of the Applicant.

3.0 MINIMUM CRITERIA FOR PRE-QUALIFICATION:

- 3.1 Pre-qualification will be based on meeting the following criteria regarding the Applicant's work experience, personnel and equipment capabilities, and financial position, as demonstrated by the Applicant's responses in the forms attached to the Letter of Application and proof of registration with statutory bodies.
- 3.2 The Applicant should meet the following minimum criteria for pre-qualification:
 - (a) Average annual financial turnover during the last three consecutive financial years [2008-2009, 2009-2010 & 2010-2011] should be at least 30% of the estimated cost.
 - (b) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which application are invited should be either of following :

Three *similar completed works each costing not less than the amount equal to 40% of the estimated cost

or

Two *similar completed works each costing not less than the amount equal to 60 % of the estimated cost.

or

One *similar completed work costing not less than the amount equal to 80 % of the estimated cost.

- (c) One completed work of any nature (either part of (b) or a separate one costing not less than the amount equal to 40% of the estimated cost with some central/ state Government organization/ / Central Autonomous body/ Central Public Sector Under taking
- (d) A solvency certificate from applicant's bank (Nationalized/ Scheduled) that applicant is solvent for the sum of 40% of the estimated cost. The certificate should not be more then six months old.
- (e) The Company should have positive Net Worth and should not have incurred loss in more than Two years in last Five years ending 31st March 2011 duly certified by the Chartered Account.
- (f) "Similar work" shall mean a Project comprising Construction of RCC framed structure (G+4 Building) including Civil, Electrical, HVAC, Plumbing, internal and external services, Lift, DG set, firefighting etc. However, In case the bidder does not have the experience of specialized works such as fire fighting, Lifts, Electrical, DG Set, HVAC, etc. such specialized works shall be carried out by specialized agencies having sound financial background and experience of executing works of similar

nature & magnitude. The bidder is required to give an undertaking as per enclosed format at Annexure- VII in respect of specialized agency for execution of specialized works.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at a simple rate of 7 % per annum, calculated from the date of completion to last date of receipt of application for Prequalification.

A Certificate from client for completion of work(s) must be submitted along with application. Own works / own certification of the agencies shall not be considered for prequalification.

g) The bidding capacity of the bidder should be equal to or more than the estimated cost of work put to tender. The bidding capacity shall be worked out by the following formulae.

Bidding Capacity = (AXNX2)-B

- A= Maximum value of construction works executed in any one year during the last five years taking into account the completed as well as works in progress.
- **N**= Number of years prescribed for completion of works for which bids has been invited.
- **B=** Value of existing commitments and ongoing works to be completed during the period of completion of work for which bids have been invited.
- 3.3 **Personnel Capabilities** : The firm should have suitable qualified and experienced personnel for the successful completion of the works. List of employees along with their qualification & experience of key officials shall be submitted stating clearly how these would be involved in this work. (Fill enclosed ANNEXURE II).
- 3.4 **Equipment Capabilities** : The Applicant should provide an undertaking regarding availability of equipments required for the completion of the project along with list of equipments indicating owned or to be hired. In case equipments are to be hired then source of equipments may also be indicated. (Fill enclosed ANNEXURE III).
- 3.5 **Financial Capabilities** : The Audited Balance Sheets for the last five financial years (2006-07. 2007-08, 2008-09, 2009-10, 2010-11) should be submitted and must demonstrate the soundness of the Applicant's financial position showing positive net worth and net profit see ANNEXURE-V). Where necessary, the Consultant (HSCC) on behalf of Employer will make inquiries with the Applicant's bankers (Applicant to fill enclosed ANNEXURE-IV)
- 3.6 The firm should submit an affidavit duly notarized that they have not abandoned any work of Union Government/ State Governments/ PSU's etc. during the last 5 years. They should also submit an affidavit that they have not been blacklisted, debarred, declared non performer or expelled by Union Government/ State Governments/ PSU's etc. during the last 5 years.
- **3.7** The applicant should provide information regarding litigation/ Arbitration cases for the last five years as per ANNEXTURE- V
- 3.8 The bidder shall submit the supporting documents regarding the information given in the ANNEXURE I to ANNEXURE V.

3.9 Evaluation Criteria

3.9.1 The bidders qualifying the initial criteria as set out in para 3.2 above will be evaluated for following criteria by scoring method on the basis of details furnished by them (Refer Annexure-IX).

S.No	Criteria	Maximum Marks
А	Financial Strength	20
В	Experience in Similar nature of work	20
С	Performance on works (Time over rum)	20
D	Performance on works (Quality)	15
E	Personnel & Establishment	10
F	Plant & Machinery	15
	Total	100

To become eligible for short listing the bidder must secure at least 50% marks in each and 60% marks in aggregate.

LLGBRIMH/HSCC reserves the right to restrict the list of such qualified Contractors to any number deemed suitable by it.

- 3.10 Even though the applicants meet the above criteria, they are subject to be disqualified if they have:
 - (a) made misleading or false representation in the form, statements and attachments submitted; in proof of the qualification requirements, and for
 - (b) record of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures, etc. and

The applicants are also subject to be disqualified, if they are found be black listed in any of the works.

- 3.11 The applicants are advised to visit the site to get first hand information as regards its approach, accessibility, working conditions, site conditions, availability of labour and material etc. and other matters affecting cost and work. All costs incurred in connection with submission of the pre qualification bid shall be borne by the applicant irrespective of the outcome.
- 3.12 Registration / Licence : The firm should have registration with the appropriate authorities for the Works Contract Tax , VAT, ESI, PF if applicable. In case the firm is not registered at the time of submission of bid, they will submit an undertaking that they will get themselves registered with the concerned authorities in case they are awarded the work.
- 3.13 If any information furnished by the applicant is found incorrect at a later stage, applicant shall be liable to be debarred from tendering in HSCC/LGBRIMH. The department reserves the right to verify the particulars furnished by the applicant independently.

3.14 The competent authority to pre-qualify shall have the power to relax any condition/criterion for pre-qualification if it considers expedient to do so

4.0 GENERAL

- 4.1 Only contractor / firms whose bid is found to be generally in order, meets the prequalification criteria and substantially responsive shall be opened either at the Bid opening or at a subsequent date to be intimated in advance to such eligible Bidders.
- 4.2 The Employer / Consultant reserve the right to:
 - (a) Reject or accept any application without assigning any reason or incurring any liability thereof
 - (b) Cancel the pre-qualification process and reject all applications
 - (c) Split the works into different packages if required
 - (d) Amend the scope and value of any contract under this project, in such event the bids will only be called from those pre-qualified applicants who meet the requirements of the contract as amended.
- 4.3 Joint venture companies or experience of any work done in joint venture shall not be considered.
- 4.4 No correspondence either from successful / pre-qualified applicant or unsuccessful applicant will be entertained in this regard.
- 4.5 Check list format attached at Annexure VII must be filled and enclosed along with the application.

Note: Bidders are advised to read carefully the Pre qualification document and give complete details along with all required supporting documents.

General Manager (PG-I) For & on behalf of HSCC (I) Ltd.

LETTER OF APPLICATION

[NOTE : On the letterhead paper of the applicant including full postal address, telephone no., fax no., telex no. and cable address]

Date :

General Manager (PG-I) HSCC(I) Ltd. Plot No. 6(A), Block(E), Sector-I NOIDA, U.P.-201301

Sirs,

Tender Number	Name of Work
HSCC/163/PM/PG-1/	Construction of Hospital Buildings including PHE,
LGBRIMH/2011	Electrical, HVAC, Fire fighting, & other internal & external services in (LGBRIMH) Post Box NO.15, Tezpur,Assam and its maintenance during the Defect Liability period"

- 2. Attached to this letter are copies or original documents defining :
 - (a) the applicants legal status
 - (b) the principal place of business
 - (c) the place of incorporation (for applicants who are corporations) or the place of registration and the nationality of the owners (for applicants who are partnerships or individually owned firms)
 - (d) application form no. 1 to 9
 - (e) Copies of work orders and clients certificate for successful and timely completion in respect of minimum prequalification criteria clause 3.1
- 3. Your agency and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This letter of application will also serve as authorization or any individual or authorized

representative or any institution referred to in the supporting information, to provide such information deemed necessary and requested by yourselves to verify statements and information provided in this application, or with regard to the resources, experience, and competence of the Applicant.

4. Your agency and its authorized representatives may contact the following persons for further information :

General, Personnel, Technical and Financial Enquiries					
Contact 1 :	Telephone 1 :				
Contact 2 :	Telephone 2 :				

- 5. This application is made in the full understanding that :
 - (a) Bids by pre-qualified applicants will be subject to verification of all information submitted for pre-qualification at the time of bidding
 - (b) LGBRIMH/HSCC reserves the right to :
 - amend the scope and value of the contract / bid under this project ; in such event, bids will only be called from pre-qualified bidders who meet the revised requirements ; and
 - reject or accept any application, cancel the pre-qualification process, and reject all applications without assigning reasons or incurring any liability thereof; and
 - (c) LGBRIMH/HSCC shall not be liable for any such actions and shall be under no obligation to inform the Applicant
 - 3. The undersigned declare that statements made and the information provided in the duly completed application are, true and correct in every detail.

Sealed & Signed	
Name	

GENERAL INFORMATION

All individual firms applying for tender are requested to complete the information required for prequalification in this form. Information to be provided for all owners or applicants who are partnerships or individually-owned firms:

1.	Name of firm :
2.	Head office address :
3.	Telephone/ Fax No.: Contact person :
4.	Fax : Telex :
5.	Place of incorporation/ Year of incorporation/ registration :

Signed :	
Name :	
For and on behalf of :	

STRUCTURE AND ORGANIZATION

- 1. Name & address of the applicant
- 2. Telephone No. / Telex No. / Fax No.
- 3. Legal status of the applicant (attach copies of original document defining the legal status)
 - (a) An individual
 - (b) A proprietor firm
 - (c) A firm in partnership
 - (d) A Limited Company or Corporation.
- 4. Particulars of registration with various Government bodies (attach attested photocopy)

Organisation /Place of registration Registration No.

- 5. Name and Titles of Directors & Officers with designation to be concerned with this work.
- 6. Designation of individuals authorised to act for the organisation
- 7. Was the applicant ever required to suspend construction for a period of more than six months continuously after you commenced the construction? If so, give the name of the project and reasons of suspension of work.
- 8. Has the applicant ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.
- 9. Has the applicant ever been debarred / black listed for tendering in any organisation at any time? If so, give details.
- 10. Has the applicant ever been convicted by a court of law? If so, give details.
- 11. Any other information considered necessary but not included above.

Authorized Signatory of bidder

HSCC-LGBRIMH - Hospital

DETAILS OF COMPLETED WORKS OF SIMILAR NATURE AND COMPLEXITY

(During last seven years ending last day of month previous to the one in which applications are invited)

		whom reference may be made	

NOTE :

1 Please attach supporting documents for the above information and satisfactory completion certificates along with order copies from clients.

ANNEXURE – II

Application Form No. 4

PERSONNEL CAPABILITIES

SI. No.	Designation	Total Number	Number availabl e for this work	Nam e	Qualification	Professional experience and details of work carried out	How these would be involved in this work	Remarks

ANNEXURE - III

Application Form No. 5

EQUIPMENT CAPABILITIES

SI. No.	Name of Equipmen	Nos.	Capacit y or Type	Age	Condi tion	Ownership	Status		Current Locatio	Remark s
	t		Туре			Presentl y owned	Lease d	To be purchased	n	

FINANCIAL CAPABILITIES

Year	Annual Turn Over in Indian Rs. as per Audited Balance Sheet
2008-09	Rs.
2009-10	Rs.
2010-11	Rs.
Average Annual Turn Over during the above last three years	Rs.

Financial Information in Rs. Equivalent	For year 2006-2007	For year 2007-2008	For year 2008-2009	For year 2009-2010	For year 2010-2011
1. Total Assets					
2. Current Assets					
3. Total Liabilities					
4. Current Liabilities					
5. Profit before Tax					
6. Profit after Tax					
7. Net Worth					
8. Liquid Assets					
9. Solvency Certificate from Banker					

- a. attach audited balance sheets duly certified by chartered Accountant for last five financial years (2006-2007, 2007-08, 2008-09, 2009-10, 2010-11). Audited Balance sheet should mention the membership number of CA issued by ICAI along with full address.
- b. Attach recent Solvency Certificate from Banker not older than 6 months.

Annexure V

Information on Litigation / court cases / Arbitration details in which the bidder is involved:

Name of Bidder

Year	Name of the work	Name of the Client, with Address	Title of the court Case/Arbitration	Detail of the Court/ Arbitrator	Status Pendin g/ Decide d	Disputed Amount (Current Value, the equivalent) in case of Court Cases/arb itration	Actual Awarded Amount (Rs) in decided Court Cases/arbitration

Annexure VI

Details of Works in Progress

S	Name	Name of	Date of	Schedule	Expected	Value of	Value of
No.	of	Employer	Commencement	Date of	Date of	work done	balance
	Work			Completion	Completion	up to Feb-	work to be
						10	Completed

		Check-List		
S.No	Criteria	Requirements	Cross Referencing / Page no. at which required information is available (To be mentioned)	Indicate Eligibility Yes / No
1	Average Turnover for last three years	30% of the estimated project cost		
2	Experience	 During last seven years Similar work completed, 3 nos. of value not less than 40% of the estimated cost Similar work completed, 2 Nos. of value not less than 60% of the estimated cost One Similar work completed of value not less than 80% of the estimated cost. 		
		One completed work of any nature (either part of (b) or a separate one costing not less than the amount equal to 40% of the estimated cost with some central/ state Government organization/ / Central Autonomous body/ Central Public Sector Under taking		
3	Personnel Capabilities	List of suitable qualified and experienced personnel in relevant field to be deployed for subject work.		
4	Equipment Capabilities	List of equipment required and proposed to be deployed & source of such equipments		
5	Financial Capability	 Net worth positive for three years Profit earning for three years 		
6	Solvency Certificate	Solvency certificate from applicant's bank for 40% of the estimated project cost.		
7	Litigation History			
8.	Abandoning / debarred/Blacklisting	Affidavit regarding not abandoned /Black listing/debarred/declared non performer for any work of Union Govt./State Govt./ PSU's etc. during last 5 years		
9.	Details of works in progress.	Copy of work order from employer. Annexure – VI		

Authorized Signatory of bidder

HSCC-LGBRIMH - Hospital

UNDERTAKING

We do hereby undertake to engage a specialised agency after approval of HSCC for undertaking the execution of works of <u><Name of Specialized Work/s></u> - <u><Name of the project></u> whose minimum qualification shall be as under:

- Average Annual Financial Turnover during the last three financial years, i.e., 2008-09, 2009-10 & 2010-11 should be at least 100% of the cost of the works
- (ii) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:
 - a. Three similar completed works costing not less than the amount equal to 40% of estimated price of ______ works.

or

b. Two similar completed works costing not less than the amount equal to 60% of estimated price of ______ works..

or

- c. One similar completed work costing not less than the amount equal to 80% of estimated price of ______ works..
- (iii) We shall be solely responsible for successful and timely execution of the work.

ANNEXURE-IX CRITERIA FOR EVALUATION OF THE PERFORMANCE OF CONTRACTORS FOR PRE-ELIGIBILITY

Attribut	tes		Evalua	tion			
(a)	Financial Strength i) Average Annual Turnover	(20 marks) (16 marks)	ii) 1009			-	lity criteria num eligibility
	ii) Solvency Certificate	(4 marks)	In betw	veen (i) 8	(ii) – on	pro-rata	hasis
(b)	Experience in similar	(20 marks)					lity criteria
	Class of works	()	ii) 1009 criteria	% marks or more	for twice	the minin	num eligibility
(c)	Performance on works (time over run)	(20 marks)		/een (I) 8	ε (II) — ON	i pro-rata l	DASIS
		on doe points		Sc	ore		Maximum marks
		If TOR	1.00	2.00	3.00	>3.50	20
	i) Without levy of comp		20	15	10	10	
	ii) With levy of compens	ation	20	5	0	-5	
	iii) Levy of compensation	20	10	0	0		
	AT/ST, where AT = Actual T				a datarm	ined by d	traight line variation
Note: M basis	larks for value in between th	e stages indica			e determ	-	-
Note: M	larks for value in between th Performance of works (0	e stages indica			e determ	(15 ma	-
Note: M basis	larks for value in between th Performance of works (C i) Very Good	e stages indica			e determ	(15 ma 15	-
Note: M basis	larks for value in between th Performance of works (C i) Very Good ii) Good	e stages indica			e determ	(15 ma 15 10	-
Note: M basis	larks for value in between th Performance of works (C i) Very Good ii) Good iii) Fair	e stages indica			e determ	(15 ma 15 10 5	-
Note: M basis (d)	larks for value in between th Performance of works (C i) Very Good ii) Good iii) Fair iv) Poor	e stages indica Quality)				(15 ma 15 10 5 0	irks)
Note: M basis	larks for value in between th Performance of works (C i) Very Good ii) Good iii) Fair iv) Poor Personal and Establishn	e stages indica Quality)	ted abov	re is to b		(15 ma 15 10 5 0 (Max. 10	nrks) marks)
Note: M basis (d)	larks for value in between th Performance of works (C i) Very Good ii) Good iii) Fair iv) Poor Personal and Establishn i) Graduate Engineer v	e stages indica Quality) hent vith 20 yrs expe	ted abov	re is to b	rks for ea	(15 ma 15 10 5 0 (Max. 10 ach maxin	marks)
Note: M basis (d)	larks for value in between th Performance of works (C i) Very Good ii) Good iii) Fair iv) Poor Personal and Establishn i) Graduate Engineer v ii) Graduate Engineer v	e stages indica Quality) hent vith 20 yrs expe vith 15 yrs expe	ted abov	re is to b	rks for ea	(15 ma 15 10 5 0 (Max. 10 ach maxin ach max	marks) num 4 4.5 marks
Note: M basis (d) (e)	larks for value in between th Performance of works (C i) Very Good ii) Good iii) Fair iv) Poor Personal and Establishn i) Graduate Engineer v ii) Graduate Engineer v	e stages indica Quality) hent vith 20 yrs expe vith 15 yrs expe	ted abov	re is to b	rks for ea arks for e arks for e	(15 ma 15 10 5 0 (Max. 10 (Max. 10 ach maxin each max each Max)	marks) num 4 4.5 marks . 1.5 marks
Note: M basis (d)	larks for value in between th Performance of works (C i) Very Good ii) Good iii) Fair iv) Poor Personal and Establishn i) Graduate Engineer v ii) Graduate Engineer v ii) Graduate Engineer v Plant & Equipment	e stages indica Quality) hent vith 20 yrs expe vith 15 yrs expe	ted abov	re is to b 1 ma ½ ma ½ ma	rks for ea arks for e arks for e	(15 ma 15 10 5 0 (Max. 10 ach maxin each max each Max. (Max. 15	marks) num 4 4.5 marks . 1.5 marks marks)
Note: M basis (d) (e)	larks for value in between th Performance of works (C i) Very Good ii) Good iii) Fair iv) Poor Personal and Establishn i) Graduate Engineer v ii) Graduate Engineer v ii) Graduate Engineer v ii) Graduate Engineer v ii) Hopper Mixer	e stages indica Quality) hent vith 20 yrs expe vith 15 yrs expe vith 10 yrs expe	ted abov	re is to b 1 ma 1⁄2 ma 1⁄2 ma 0.5 m	rks for ea arks for e arks for e arks for e	(15 ma 15 10 5 0 (Max. 10 ach maxin each max each Max. (Max. 15 each upto	marks) num 4 4.5 marks . 1.5 marks marks) Max. 2 marks
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Note: M basis (d) (e)	larks for value in between th Performance of works (C i) Very Good ii) Good iii) Fair iv) Poor Personal and Establishn i) Graduate Engineer v ii) Graduate Engineer v iii) Steel shuttering iv) Building Hoist	e stages indica Quality) hent vith 20 yrs expe vith 15 yrs expe vith 10 yrs expe	ted abov	re is to b 1 ma ½ ma ¼ mi 0.5 m 0.25 m 1 ma mark 0.25 m	rks for ea arks for e arks for e mark for e mark for ea s mark for ea s	(15 ma 15 10 5 0 (Max. 10 ach maxin each maxin each max (Max. 15 each upto each upto each upto each upto each upto	marks) num 4 4.5 marks . 1.5 marks marks) Max. 2 marks o Max. 1 marks s.qm. upto Max. 3
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