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Press Notice

Invitation for Expression of Interest (EOI)

No.Agri/Engg/RIDF/Procurement/4805/2018-19/75

Dated: 19/10/2019

The Chief Engineer, Agriculture, Assam, Khanapara, Guwahati-22, on behalf of the Director of Agriculture, Assam, Khanapara, Guwahati-22, invites Expression of Interest (EOI) from registered Firms or registered contractors of Govt. Departments, for Empanelment for Installation of STW and construction of Water Storage Tank under RIDF on turnkey basis. Terms of Reference (TOR), Format for Proposal etc. are made available on website <http://diragri.assam.gov.in>. Last date & time for submission of EOI is at 1:00 PM on 04/11/2019.

Chief Engineer, Agriculture, Assam
Khanapara, Guwahati-22

NOTICE

Expression of Interest (EOI) for Empanelment of Contractor for Installation of STW and construction of Water Storage Tank under RIDF
No. Agri/Engg/RIDF/Procurement/4805/2018-19 /76 Dated: 19/10/2019

The Chief Engineer, Agriculture, Assam, Khanapara on behalf of the Director of Agriculture, Assam, Guwahati invites Expression of Interest (EOI) from registered Firms or registered contractors of Agriculture Department, for Empanelment for Installation of STW and construction of Water Storage Tank (optional item) under RIDF on turnkey basis.

Terms of Reference (TOR) for Empanelment, Format for Proposal etc. are made available on website <http://diragri.assam.gov.in>. which may be downloaded for submission of EOI.

a	Pre-launce meeting on EOI	11:00 AM on 29/10/2019
b	Last Date & time for Submission of EOI	1:00 PM on 04/11/2019
c	Date of Opening of EOI	2:00 PM on 04/11/2019

Following documents shall constitute part of proposal (EOI):

i.	Terms of Reference (duly signed by authorized signatory of Firm/ Contractor in each page)	As downloaded .pdf file from the website
ii.	Duly filled up Cover Letter and Format for Proposal along with supporting documents	Annexure-1

Chief Engineer, Agriculture, Assam
Khanapara, Guwahati-22

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TERMS OF REFERENCE

Empanelment of Firm / Contractors for Installation of STW and construction of Water Storage Tank under RIDF

A. BACKGROUND

- i. The Department of Agriculture, Govt. of Assam proposes to install one lakh Shallow Tube Well to be provided to the Prospective beneficiaries for irrigation.
- ii. The NABARD has granted loan for execution of the project under RIDF-XXI & XXII. 95% of the total project outlay will be funded as RIDF loan and 5% will be contributed as State Govt. 's share.
- iii. The main objective of the scheme is to create irrigation potential to enhance agriculture production and productivity by efficient use of water.
- iv. The scheme proposes to target small and marginal farmers for providing STW at 75% subsidy

B. EMPANELMENT OF FIRM / CONTRACTOR :

The Department proposes to engage registered Firms/ registered Contractors of Agriculture Department by inviting EOI to qualify for the purpose of installation of shallow tube well (STW) and water storage tank (as optional item for Solar STW). The Chief Engineer, Agriculture, on behalf of the Director of Agriculture, Assam, hereafter called 'Authority', would publish panel comprising names of qualified Firms/ contractors. The Firms/ contractors participating in the EOI should have experience in similar nature of works and/or experience in works/ supply in the Agriculture Department, Govt. of Assam.

C. TASK :

- i. Installation of STW and construction of water storage tank shall be done in all the districts included in a particular group as enlisted in **Annexure-5** for which Contractor/Firm applied for empanelment.
- ii. Site for installation of STW and construction of water storage tank would be in the farm land of the beneficiaries.
- iii. Installation of STW is exclusively for irrigation purpose.
- iv. Construction of water storage tank is to facilitate efficient utilization of water for irrigation by using pipe/ drip/ sprinkler devices.
- v. Installation of STW up to 45 m depth of boring in case of centrifugal pump as per approved plan & estimates at **Annexure-3**
- vi. Installation of STW up to 60 m depth of boring in case of submersible pump and as per approved plan & estimates at **Annexure-4**
- vii. Construction of RCC/Brick water storage tank of capacity 10000 litres as per approved plan & estimates at **Annexure-6**.
- viii. Skilled artisan would be engaged for construction of bore-well and construction of RCC/Brick water storage tank.
- ix. To tap the water bearing strata to achieve maximum yield from the bore-well.
- x. Surveillance of site and any bore-well in the nearby field to assess the minimum boring required to achieve the desired yield.

- xi. Rate of items of work should be as per SOR of PWD and PHE Department for civil work, bore-well, water supply, whichever is applicable.
- xii. To make the bore-well functional after completion of installation work to achieve discharge sufficient if coupled with 5HP/ 4HP Diesel operated centrifugal pump set or 2HP centrifugal Electrical pump or 1.5HP / 2HP submersible pump or 2 HP Solar surface/ submersible pump.
- xiii. Obtain satisfactory certificate indicating discharge (litre/sec) jointly signed by the beneficiary and Junior Engineer concerned.
- xiv. Area affected by arsenic and Fluoride shall not be considered for construction of bore-well.
- xv. Bore-well having inadequate discharge shall be considered as failure boring.
- xvi. No. reimbursement shall be made against failure boring

D. PERIOD OF ASSIGNMENT :

- i. The time period for completion of the assignment by empanelled Contractors/Firms are shown below

SN	Particulars	Time allotted
1.	Inspection of site	7 days
2.	Installation of STW	30 days per 1000 STW
3.	Construction of water storage tank (WST)	7 days per 100 WST

- ii. The assignment may be terminated at any time within 07 days notice by the Authority without assigning any reason, and without thereby incurring any liability to the Government of Assam.
- iii. It is desired that empanelled Firms/ contractors assigned under the scheme shall observe the highest standard of ethics during the period of his/her service and in case the incumbent is found to be involved in corrupt and/or fraudulent practice his/her services will be terminated without any notice and penal action as per law shall be initiated
- iv. The empanelled Firms/ contractors must complete his job within the stipulated time frame.

E. QUALIFYING CRITERIA :

- i. The Firms/ contractors should be registered in Agriculture Department.
- i. The Firms/ contractors should have GST registration.
- ii. The Firms/ contractors should have an up to date Labour licence.
- iii. 2 (two) years experience in similar nature of works and/or experience in works/ supply in the Agriculture Department, Govt. of Assam.
- iv. Average Annual Turnover during last three years (i.e., 2016-17, 2017-18 & 2018-19) should be not less than Rs.2500.00 Lakh.

F. LOCATIONS :

Locations of installation sites shall be intimated by the District Engineers as per list of beneficiaries approved by District Level Selection Committee (DLSC).

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G. EMPANELMENT CRITERIA :

Group-wise empanelment shall be made by the Authority as per recommendation of the Departmental Bid Committee. Tentative nos. of STW shown against a district may alter depending upon demands from farmers and feasibility. The Director of Agriculture reserves the right to alter, cancel and/or reallocate the allotment of works depending upon performance of the Firm/ contractor as per given schedule.

H. PAYMENT:

S.N.	Activity	Payment Schedule
1	Supplying of boring materials of required quantity at site as per approved specification and commencement of construction of bore-well.	Beneficiary's share (i.e. 25% of approved cost + 10% contractor's profit as per estimated cost) to be released by District Engineer.
2	Successful completion of installation of STW in all respect and submission claim by the District Engineer for release of Govt. share.	Final payment (i.e. 75% of approved cost) to be released by the Director of Agriculture.

All taxes, royalties, duties etc. payable as per Government norms will be deducted at source.

I. SECURITY MONEY DEPOSIT:


Firms/ Contractors enlisted in the panel prepared by the Authority shall deposit an amount of Rs.1,000/- (One thousand) against each STW or each Waters Storage Tank as security money prior to issue of work order by the Authority.

The empanelled Firms/ contractors shall deposit security money issued by any Scheduled bank in the form of Bank Guarantee in favour of the Director of Agriculture, Assam. The security money is liable to be forfeited in case of failure of the empanelled Firm/ contractor to execute the work as per approved plan & estimate, specification and quality and failed to achieve the target.

Security money will be released to the Firm/ Contractor on completion of 1 year from the date of successful installation of STW or completion of WST.

J. EMPANELMENT PROCEDURE:

- The Chief Engineer, Agriculture will receive the EOI as per stipulated date & time.
- The Departmental Tender committee will scrutinise and evaluate proposals and finalise the empanelled list of Firms/ Contractors along with district-wise quantity of works awarded.
- Approved empanelled list of Firms/ contractors will be notified by the Authority.


Director of Agriculture, Assam,
Assam, Khanapara, Guwahati-22.

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Annexure-1

Cover Letter and Format for Proposal

From: M/S _____

(Insert name and address of Firm/ Contractor)

To: The Chief Engineer, Agriculture, Assam
Khanapara, Guwahati-22

Sub: Proposal for empanelment for Installation of STW and construction of Water Storage Tank under RIDF on turnkey basis.

Ref: No.Aгри/ Engg/ _____ Dated _____

Dear Sir,

I, the undersigned having read, examined and understood in detail the TOR for Installation of STW and construction of Water Storage Tank under RIDF on turnkey basis issued vide Notice No. Agri/ Engg/ _____ Dated _____ hereby submit our proposal. I/ We confirm that neither I/we nor any of our affiliate has submitted proposal other than this one directly or indirectly in response to the aforesaid Notice.

As a token of our unconditional acceptance, the TOR document has been initialled by me and enclosed with the proposal. I/We shall ensure that we execute as per the provisions of the TOR and all the provisions of the said TOR shall be binding on us.

We are pleased to submit our proposal as per following 'Format for Proposal' as detailed hereunder:

Format for Proposal

SN	Required particulars	Information to be filled by proposer	Particulars of supporting documents to be submitted
1.	Name of the Proposer		Not applicable
2.	Status of Proposer		
3.	Registered Office Address		Not applicable
4.	Web site (if any)		As per Annexure-2
5.	Name of Authorized signatory with designation, address, contact No. and e-mail. Proposer shall issue a Letter of Authorization in case of authorized signatory as per prescribed format in Annexure-2		
6.	Name of contact person (if other than authorized signatory) with designation, address, contact No. and e-mail to whom all references shall be made		Not applicable
7.	Proposer shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by any Government Department.		
8.	The Proposer shall be a registered Firm/ contractor of Govt. department		Registration Certificate issued by competent authority
9.	The proposer should have 2 (two) years experience in similar nature of works and/or experience in works/ supply in the Agriculture Department, Govt. of Assam.		Work completion certificate issued by an officer not below the rank of Executive Engineer or equivalent.
10.	Average Annual Turnover during last three years (i.e., 2016-17, 2017-18 & 2018-19)		Certificate from Chartered Accountant
11.	Valid Labour licence in the name of proposer		Copy of Labour licence

12	GST No.			
13	PAN No.			
14.	Name of group applied for empanelment	Category	Name of Group	Total No. of STW as per Annexure-5
STW up to 45 meter depth				
STW up to 60 meter depth				
<i>NB: In case of deviation/ discrepancy between information in 'Format for Proposal' and supporting documents, information in supporting documents shall only be considered for evaluation.</i>				

Declaration:

I / we have carefully read and understood the enclosed Terms and Conditions of the TOR for empanelment for Installation of STW and construction of Water Storage Tank under RIDF on turnkey basis issued vide Notice No. Agri/ Engg/_____ dtd _____ and are agree to abide by them otherwise me / us would be liable for summarily rejection, and proposal would be considered on Terms and Conditions finalized by the Authority.

I / we declare that we have not been black listed or otherwise debarred for any supply of Goods / Services / Works by any Ministry / Department / PSU of Central Government / Any of the State Government(s), anytime / anywhere in the Country.

I / we solemnly undertake that the responsibility of execution of the contract as per the terms and conditions of the TOR shall be entirely ours. If this Declaration is found to be incorrect or if any condition is found violated by us, then without prejudice to any other action our security deposit may be forfeited in full and the proposal to the extent of acceptance or anytime during execution of contract may be cancelled.

Acceptance:

We have submitted our proposal strictly as per provision of this TOR, without any deviations, conditions and without mentioning any assumptions or notes. We hereby unconditionally and irrevocably agree and accept that the decision made by the Authority in respect of any matter regarding or arising out of the TOR shall be binding on us. We hereby expressly waive any and all claims in respect of empanellment process.

We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfil our obligations with regard to execution of contract of capacity offered.

It is confirmed that our proposal is consistent with all the requirements of submission as stated in the TOR document and subsequent communications from the Authority. The information submitted in our proposal is complete, strictly as per the requirements stipulated in the TOR document and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our proposal. We confirm that all the terms and conditions of TOR are valid for acceptance for a period as specified in the TOR document. We confirm that we have not taken any deviation so as to be deemed non-responsive.

Acknowledgement of TOR document:

We have understood the instructions and the terms and conditions mentioned in the TOR Document and have thoroughly examined the TOR Document and are fully aware of the scope of work required. We are hereby submitting our proposal as per provision made in the TOR document only.

We shall be entirely responsible for all taxes, duties, license fees, etc. All applicable taxes as per Government income tax & service tax norms will be payable by us. TDS will be deducted from our payment as per the prevalent laws and rules of Government of India and Government of Assam in this regard.

Familiarity with Relevant Indian Laws & Regulations:

We confirm that we have studied the provisions of the relevant Indian laws and regulations as required to enable us to submit this proposal and execute the contract, in the event of our selection as empanelled Firm/ Contractor. We further undertake and agree that all such factors as mentioned in the TOR have been fully examined and considered while submitting the proposal.

Dated the _____ day of _____ 2018

Thanking you,
Yours faithfully,

For and on behalf of:

Signature: (Authorized Signatory)

Name of the Person:

Designation:

Date:

Place:

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Annexure-2
Format for 'Letter of Authorization for Authorized Signatory'
(To be on non-judicial stamp paper of Minimum Rs. 100/-)

Attach a passport
size photograph
of authorized
signatory

Know all men by these presents, We (name and address of the registered office of the Proposer as applicable) do hereby constitute, appoint and authorize Mr./Ms. (name & residential address) who is presently employed with us and holding the position of _____ as our true and lawful authorized signatory, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of our proposal for empanelment for Installation of STW and construction of Water Storage Tank under RIDF on turnkey basis issued vide Notice No. Agri/ Engg/ _____ Dated _____ by the Chief Engineer, Agriculture, Assam on behalf of the Director of Agriculture, Assam (hereinafter to be called as 'Authority') including signing and submission of the proposal and all other documents related to the proposal, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the Authority may require us to submit. The aforesaid authorized signatory is further authorized for making representations to the Authority and providing information / responses to representing us in all matters before Authority and generally dealing with Authority in all matters in connection with the proposal.

We hereby agree to ratify all acts, deeds and things done by our said authorized signatory pursuant to this Authorization and that all acts, deeds and things done by our aforesaid authorized signatory shall be binding on us and shall always be deemed to have been done by us.
All the terms used herein but not defined shall have the meaning ascribed to such terms under the TOR.

Signed by the within named
(Insert the name of the executants company)
through the hand of
Mr _____
duly authorized by the Board to issue such Authority
Dated this _____ day of _____

Accepted

Signature of Attorney
(Name, designation and address of the Authorized Signatory)

Attested

(Signature of the executant)
(Name, designation and address of the executant)

Signature and stamp of Notary of the place of execution
Common seal of _____ has been affixed in my/our presence pursuant to Board of Director's Resolution
dated _____
WITNESS

(Signature) Name _____ Designation _____
(Signature) Name _____ Designation _____

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Annexure-3

MODEL ESTIMATE FOR INSTALLATION OF SHALLOW TUBE WELL (STW) UP TO 45 METER DEPTH

Rate based on Schedule of rate of PHE for 2015-16 & APWD(B) for 2013-14

SN	SOR No	Description of item	Unit	Quantity	Rate	Amount
A. Material cost						
1	5.1 (h)	Medium duty Galvanized Iron (GI) pipe 80 mm dia having ISI Mark	Meter	1.50	611.10	916.65
2	5.3 (6)	UPVC Casing pipe withstanding 6kgf/cm ² 80 mm dia	Meter	38.50	310.20	11942.70
3	5.2 (c)	PVC ribbed screen stainer 80 mm dia having ISI mark,	Meter	6.00	471.20	2827.20
4		PVC non returnable check valve 90mm dia having ISI mark.	Nos.	1	300.00	300.00
5	6.1.7 (h)	PVC End plug, 90 mm dia best quality having ISI Mark.	Nos.	2	54.20	108.00
6	6.1.1(h)	PVC socket 90 mm dia pressure 6kgf/cm ²	Nos.	5	42.00	210.00
7	6.1.2 (h)	PVC adaptor	Nos.	1	78.00	78.00
9		PVC suction pipe dia 75mm with working pressure 6kgf/cm ²	Meter	1	150.00	150.00
10	6.8.1 (a)	Solvent cement (250 ml)	No.	1	152.00	152.00
SUB TOTAL(A)= Rs.						16,684.55
B. Labour cost for Installation of STW						
1	7.1.3	Labour charge of making bore hole of 100 mm dia and collecting sample of soil at every 3.00 Meter depth.	Meter	20.00	193.60	3872.00
		a. For 0 to 20 m depth	Meter	20.00	301.60	6032.00
		b. For 20 m to 40 m depth	Meter	5.00	372.40	1862.00
		c. For 40 m to 60 m depth				
2	7.1.12	Labour charge of sinking lowering, fitting fixing of Direct Action (Tara hand pump assembly in position with 90 mm/50 mm dia P.V.C casing pipe with ribbed screen placed in potable water bearing strata with 40 mm dia sand trap with end cap at bottom of well, washing the bore well etc. and supplying necessary jointing materials including carriage of materials and cleaning and priming the tube well all complete as directed.	Meter	45.00	25.90	1165.50
3	7.1.16	Providing and packing coarse sand around stainer and casing pipe including supplying and carriage of materials all complete as directed and specified.	Meter	45.00	9.50	427.50
4	7.1.21	Labour charges for providing Bentonite clay including the cost of Bentonite clay around 150/200 mm dia tube well up to depth of 6 m from top.	Meter	2.00	544.5	1089.00
SUB TOTAL(B)= Rs.						14,448.00
C. Cement Concrete Floor base (1.50m X 1.50m)						
		Construction of floor base Flat Brick soiling, P.C.C and R.C.C , Plastering works as directed. (enclosed estimate)	Sq.m	2.25		3874.00
Sub TOTAL-(C) = Rs.						3874.00
TOTAL (A+ B+C)= Rs.						35,006.55
Say = Rs.						35,007.00
(Rupees Thirty-five thousand and seven) only						

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Annexure-4

MODEL ESTIMATE FOR INSTALLATION OF SHALLOW TUBE WELL (STW) UP TO 60 METER DEPTH

Rate based on Schedule of rate of PHE for 2015-16 & APWD(B) for 2013-14

SN	SOR No	Description of item	Unit	Quantity	Rate	Amount
A. Material cost						
1	5.1	Medium duty Galvanized Iron (GI) pipe 125 mm dia having ISI Mark	Meter	1.50	1162.70	1744.05
2	5.3	UPVC Casing pipe withstanding 6kgf/cm ² 125 mmdia weight 8kg/m and thickness 3.1 to 3.7mm, having ISI mark.	Meter	50.00	628.90	31445.00
3	5.2	PVC ribbed screen stainer with nylon 125 mm dia having ISI mark, with opening space between 12% to 25% of the surface area and with average size of slot in between 1mm to 1.5 mm having ISI mark.	Meter	9.00	709.10	6381.90
4	5.3	UPVC column pipe with standing 6kgf/cm ² 40mmdia weight withstanding 6kgf/cm ² having ISI mark.	Meter	45.00	146.80	6606.00
5	6.1.8	PVC End Cap, 140 mm dia best quality having ISI Mark.	Nos.	1	306.00	306.00
6	6.1.1	PVC socket 140 mm dia pressure 6kgf/cm ²	Nos.	9	210.00	1890.00
7	6.1.2	PVC adaptor	Nos.	1	220.00	220.00
8	6.1.6	PVC adaptor	Nos.	1	237.00	237.00
8	6.1.6	UPVC Reducing Socket 40X32 mm dia	Nos.	1	299.00	299.00
10	6.8.1	Solvent cement (500 ml)	Nos.	1	299.00	299.00
SUB TOTAL (A)= Rs.						49,128.95
B. Labour cost for Installation of STW						
1	7.1.6	Labour charge for boring to make 200mm dia borehole including arranging and carriage of necessary boring materials/ tools/ bentonite etc, and withdrawing the pipe all complete as directed.	Meter	20.00	305.90	6118.00
		a. For 0 to 20 m depth	Meter	20.00	367.50	7350.00
		b. For 20 m to 40 m depth	Meter	20.00	454.30	9086.00
		c. For 40 m to 60 m depth	Meter	20.00	454.30	9086.00
2	7.1.14	Labour charge of sinking lowering, fitting fixing in position of 150mm diaUPVC pipe assembly comprising of strainer , pipes and cone in potable water bearing strata, washing the bore well etc.	Meter	60.00	44.80	2688.00
		a. For 0 to 60m depth	Meter	60.00	44.80	2688.00
3	7.1.16	Providing and packing coarse sand around stainer and casing pipe including supplying and carriage of materials all complete as directed and specified.	Meter	60.00	9.50	570.00
4	7.1.21	Labour charges for providing Bentonite clay including the cost of Bentonite clay around 150/200 mm dia tube well up to depth of 6 m from top.	Meter	6.00	544.50	3267.00
5		Site preparation	L.S.			100.00
SUB TOTAL(B)= Rs.						29179.00
C. Cement Concrete Floor base (1.50m X 1.50m)						
		Construction of floor base Flat Brick soiling, P.C.C and R.C.C , Plastering works as directed.	Sq.m	2.25		3874.00
Sub TOTAL- (C) = Rs.						3874.00
TOTAL (A + B+C)= Rs.						82,181.95
Say Rs.						82,182.00
(Rupees Eighty-two thousand One hundred and Eighty-two) only						

Annexure-5

District-wise Tentative allotment of STW under RIDF.

Category	Brief specification	Group	District	Tentative Nos. of STW
(1)	(2)		(3)	(4)
STW up to 45 meter depth	Supplying of boring materials and installation of STW with 100 mm diameter bore hole and 80 mm diameter STW up to 45 meter admissible depth as per approved plan & estimate enclosed at Annexure-3, at site of selected farmers in all districts within the State of Assam except Dima-Hasao District. Estimated cost of STW up to 45 meter depth = Rs. 35,007/- each	Group-1	Tinsukia	2000
			Dibrugarh	1500
			Dhemaji	2500
			Sivsagar	2000
			Charaideo	1000
			Lakhimpur	3500
			Majuli	2500
			Jorhat	2000
			Golaghat	4000
			Karbi-Anglong	500
			Karbi-Anglong (W)	300
			Nagaon	3000
			Hojai	1500
			Sub-total	26300
		Group-2	Biswanath	3000
			Sonitpur	3000
			Udalguri	3000
			Darrang	3000
			Nalbari	1500
			Baksa	3000
			Barpeta	4000
			Sub-total	20500
		Group-3	Morigaon	3000
			Kamrup(M)	2000
			Kamrup(R)	2500
			Chirang	3000
			Kokrajhar	3400
			Goalpara	3000
			Bongaigaon	2500
			Dhubri	2500
			S. Salmara	2000
			Sub-total	23900
		Group-4	Cachar	100
			Hailakandi	100
			Karimganj	100
			Sub-total	300
			Total	71000
STW up to 60 meter depth	Supplying of boring materials and installation of STW with 200 mm diameter bore hole and 125 mm diameter STW up to 60 meter admissible depth as per approved plan & estimate enclosed at Annexure-4, at site of selected farmers in all districts within the State of Assam except Dima-Hasao District. Estimated cost of STW up to 60 meter depth = Rs. 82,182/- each	Group-1 (in continuation of above group)	Jorhat	700
			Golaghat	700
			Karbi-Anglong	300
			Karbi-Anglong (W)	300
			Hojai	700
			Sub-total	2700
		Group-4 (in continuation of above group)	Cachar	900
			Hailakandi	900
			Karimganj	500
			Sub-total	2300
			Total	5000

Name of work: Proposed construction of 10000 Ltrs capacity R.C.C water storage Tank.
(For Irrigation System)

As per Schedule of Rates for APWD Building(Civil) for the year 2013-14

Sl No	SOR NO	Description of item	Unit	Qty	Rate (Rs.)	Amount (Rs.)						
	1	EARTHWORK										
1	1.1(A) (a)	Earth work in excavation for foundation trenches of walls, retaining walls, footings of columns, steps and septic tank etc. including refilling (return filling) the quantity as necessary after completing of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified. (Upto a depth of 2m below the existing ground level) In ordinary soil.										
		Floor	6.00	x	2.00	x	0.30	=	3.60			
		Total							=	3.60	cum	3.60
2	4.1.1 (a)	BRICKWORKS										
		Providing brick soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (a).Brick on flat soling.										
		Floor	6.00	x	2.00			=	12.00			
Total							=	12.00	Sq.m	12.00	368.71	4424.52
3	2.1.1 (a)	P.C.C WORKS										
		Plain Cement concrete Works with coarse aggregate of size 13 mm to 32mm in foundation of steps, footing of column and plinth beam as directed and specified including curing complete (shuttering where necessary shall be measured and paid separately) in prop. 1 cement:3 Sand :6 Coarse aggregate by volume.										

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		Floor	6.00	x	2.00	x	0.05	=	0.60					
		Total								0.60	Cu.m.	0.60	4292.86	2575.72
4	3.1.1.2	FORMWORKS												
		Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4.0 m and removal of the same for in-situ reinforced concrete and plain concrete work.												
		Sides of tie beams, grade beams etc. at or below ground level. Using 25mm thick plank												
		tie beam	(2x1.50+2x5.5)x1.25						=	17.50				
			(1.96+5.96)x1.25						=	9.90				
		Total							=	27.40	Sq.m	27.40	341.90	9368.06
5	18.1.1	IRON AND STEEL WORKS												
		Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete (upto 1st floor level).												
		b) Other ISI approved TMT reinforcement bar (SRMB/SAI/BISCON/ X TECH)												
		(For Assam Type Bldg., drain works, retaining wall & boundary wall etc. .												
		Floor	(6.00 + 1) x 2.00x0.62						0.125	60.76				
			(2.00 + 1) x 6.00x0.62						0.125	63.24				
		Wall	2x(5.50) x 1.35x0.62						0.125	73.66				
			2x(1.96) x 1.35x0.62						0.125	26.25				
			2x(1.25 + 1) x 8.00x0.39						0.125	68.64				
													Qtl	4.58

		Add for floor double jali	124.00				
			416.55				
		Add 10% for lapping etc.	41.65				
		Total Quantity in Kg =	458.20				
		Total Quantity in Quintal =	4.58				
6	2.1.1(I) (A)(N) (a)	R.C.C Work					
		Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)					
		(I) Using Mixer Machine					
		(A) In substructure up to plinth level					
		(2x1.50+2x5.96)x1.25x0.15	=	2.80			
		5.50x1.50x0.15	=	1.24			
		Total		4.04	Cu.m.	4.04	5496.65
							22206.47
7	5.10	Cement Concrete Flooring					
	5.1.10	15 mm thick Cement plaster skirting In cement mortar 1:3					
		Floor	1	x	5.5	x	1.50 = 8.25
		Wall Plaster	2	x	5.96	x	1.25 = 14.90
			2	x	1.5	x	1.25 = 3.75
		Total					26.90
						Sq.m	26.90
							230.44
							6198.84
8	8.1	Roofing					
	8.1.1(a)	Providing CGI Sheet roofing...					
		(a)	0.45 mm thick				
			5.96	x	1.96	=	11.68
		Total					11.68
						Sq.m	11.68
							450.45
							5261.98

18.60	Angles/Flats/Bolts and Nuts							
18.6.1	Supplying, fitting and fixing M.S.Angles, M.S.Flat...							
(b)	(b) M.S.Flats							
	Steel Frames	2x5.96+5x1.96	=	21.72				
	Total Quantity in Rm			=	21.72			
	Total Quantity in Qtl			=	0.45	Qtl	0.40	9604.99
								3842.00
10	Fullway Valve with pipe 50mm dia				LS			400.00
	Grand Total=							Rs.82,272.12
	Deduct contractor profit @10%=						Rs.	8227.21
	Total after deduction of Contractor profit						Rs.	74044.91

(Rupees Seventy Four Thousand) Only

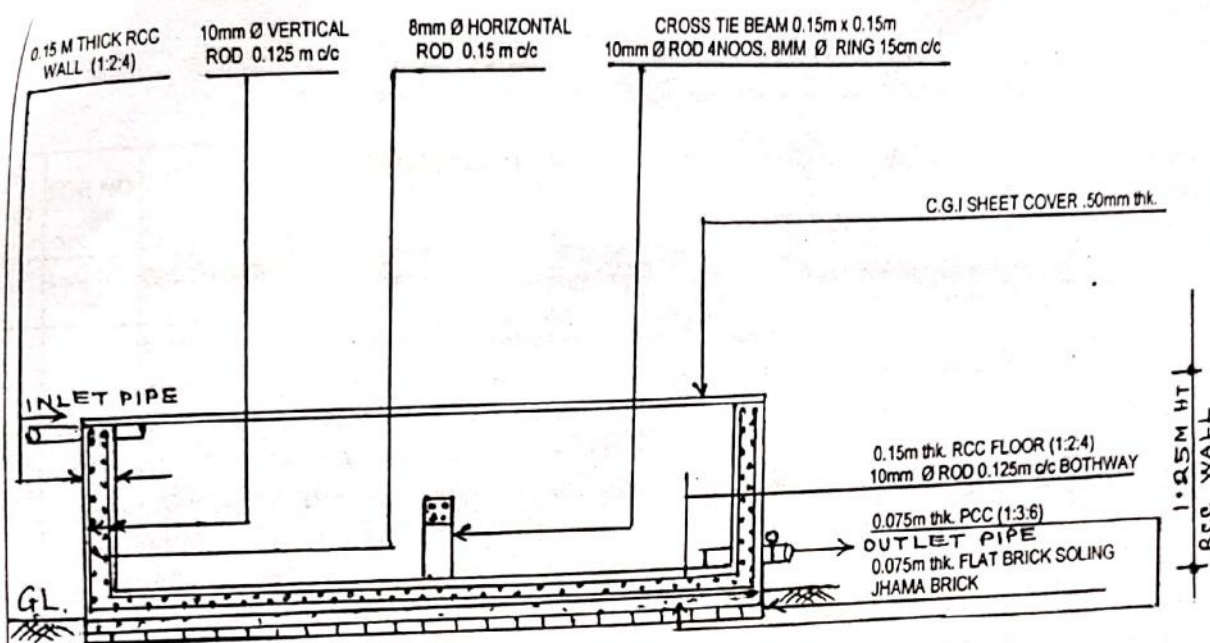
- (A) If execution through Contractor = Rs. 82,272/- only.
 (B) Execution by beneficiary themselves = Rs.74,000/- only (within the limit of DPR after deduction of Contractor's profit of 10 per cent).

Approved By:
 Sd/-
 Chief Engineer (Agri.),
 Assam, Khanapara, Ghy-22

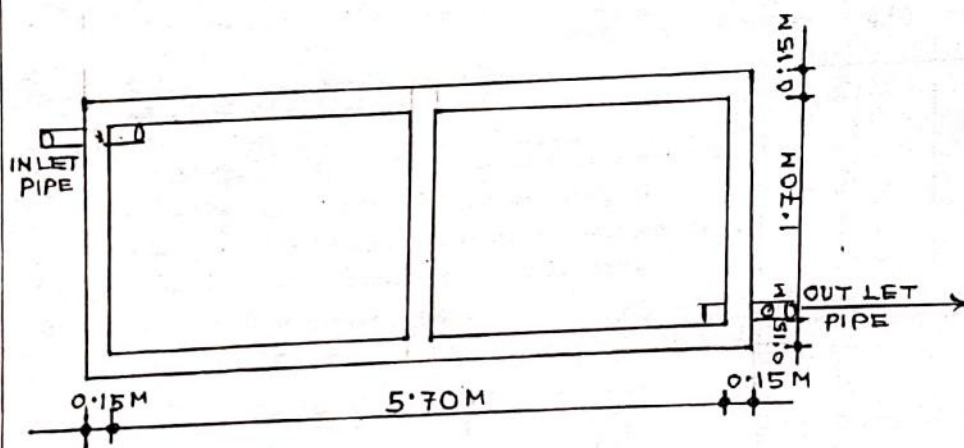
Checked By:
 Sd/-
 NO (RIDF), EE(F/C)

Checked By:
 Sd/-
 AAE

Prepared By:
 Sd/-
 PM (RIDF)



SECTION AT A-A



PLAN

PROPOSED PLAN L-SECTION OF CONSTRUCTION OF 10,000 LT CAPACITY WATER STORAGE TANK AT GROUND LEVEL (RCC)

SCALE	DRAWN BY	CHECKED BY	APPROVED
NTS	 PM(RIDF)	 AAE	SD/- CE(A)

Name of work: Proposed construction of 10000 Ltrs capacity Brick water storage Tank.
(For Irrigation System)

As per Schedule of Rates for APWD Building(Civil) for the year 2013-14

Sl No	SOR NO	Description of item	Unit	Qty	Rate (Rs.)	Amount (Rs.)								
	1	EARTHWORK												
1	1.1(A) (a)	Earth work in excavation for foundation trenches of walls, retaining walls, footings of columns, steps and septic tank etc. including refilling (return filling) the quantity as necessary after completing of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified. (Upto a depth of 2m below the existing groundlevel) In ordinary soil.												
		Floor	5.00	x	3.00	x	0.30	=	4.50					
		Total							=	4.50	cum	4.50	108.82	489.69
2	4.1.1 (a)	BRICKWORKS												
		Providing brick soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (a).Brick on flat soling.												
		Floor	5.00	x	3.00			=	15.00					
Total							=	15.00	Sq.m	15.00	368.71	5530.65		
3	4.1.4	Brickwork with cement mortar (1:4) with first class brick including racking out joint and curing as directed.												
			15.50	x	1.50	x	0.23	=	5.35	cum	5.35	5860.86	31340.95	

4	2.1.1	R.C.C WORKS													
		Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)													
		Floor	4.75	x	2.50	x	0.12	=	1.43						
		Total							1.43	Cu.m.	1.43	5496.65	7860.21		
5	18.1.1	IRON AND STEEL WORKS													
		Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete (upto 1st floor level). b) Other ISI approved TMT reinforcement bar (SRMB/SAI/BISCON/ X TECH) (For Assam Type Bldg., drain works, retaining wall & boundary wall etc. .													
		Floor	20 x 5 x 0.62 x 2						124.00						
			30x2.5x0.39x2						58.5						
									182.50						
		Add 10% for lapping etc.							18.25						
		Total Quantity in Kg =							200.75						
		Total Quantity in Quintal =							2.01	Qtl	2.01	6026.82	12113.90		
		6	5.10	Cement Concrete Flooring											
15 mm thick Cement plaster skirting In cement mortar 1:3															
Floor	2			x	2	x	2	=	8						
	5.1.10	Wall Plaster	1	x	14.5	x	1.75	=	25.38	Sq.m	61.38	230.44	14143.26		

		8	x	8	x	1.75	=	28								
		Total							=	61.38						
8	8.1	Roofing														
		Providing CGI Sheet roofing...														
	8.1.1(a)	(a)	0.45 mm thick													
				4.75	x	2.5	=	11.88								
		Total							=	11.88	Sq.m	11.88	450.45	5349.09		
9	18.60	Angles/Flats/Bolts and Nuts														
	18.6.1	Supplying, fitting and fixing M.S.Angles, M.S.Flat...														
	(b)	(b) M.S.Flats														
		Steel Frames	25					=	25							
		Total Quantity in Rm							=	25						
		Total Quantity in Qtl							=	0.50	Qtl	0.50	9604.99	4802.50		
10		Fullway Valve with pipe 50mm dia											LS		600.00	
		Grand Total=													Rs.82,230.24	
		Deduct contractor profit @10%=											Rs.	8223.24		
		Total after deduction of Contractor profit											Rs.	74007.24		

(Rupees Seventy Four Thousand) Only

(A) If execution through Contractor = Rs. 82,230/- only.

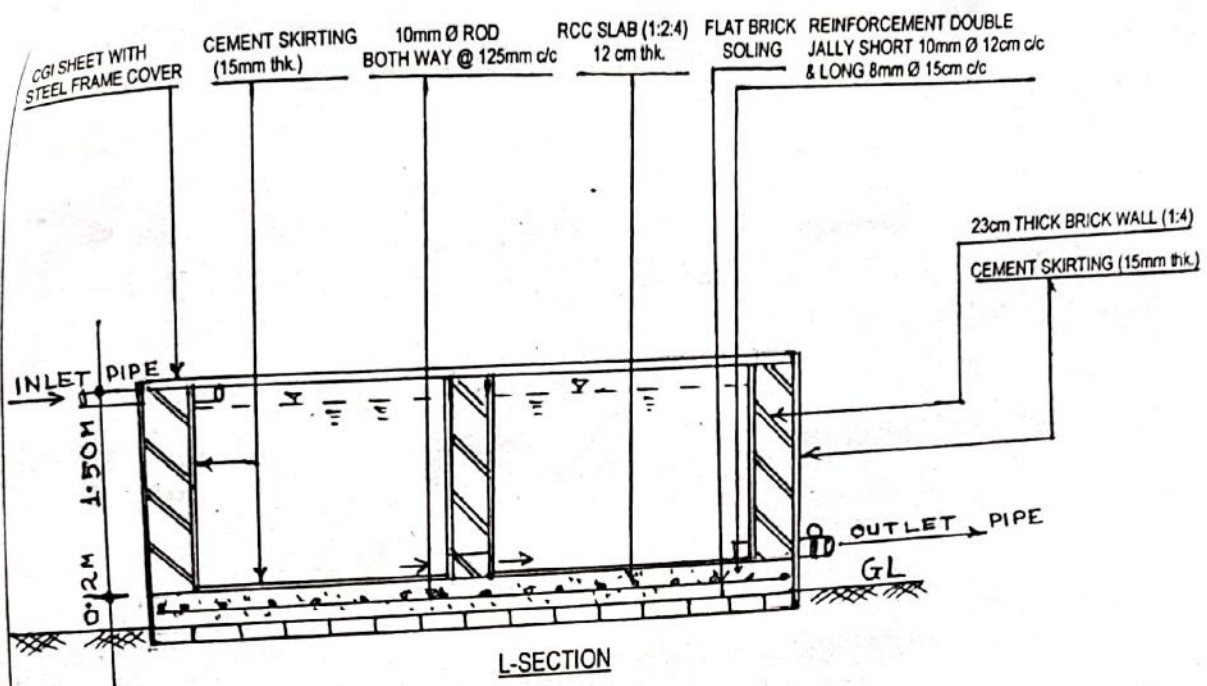
(B) Execution by beneficiary themselves = Rs.74,000/- only (within the limit of DPR after deduction of Contractor's profit of 10 per cent).

Approved By:
Sd/-
Chief Engineer (Agri.),
Assam, Khanapara, Ghy-22

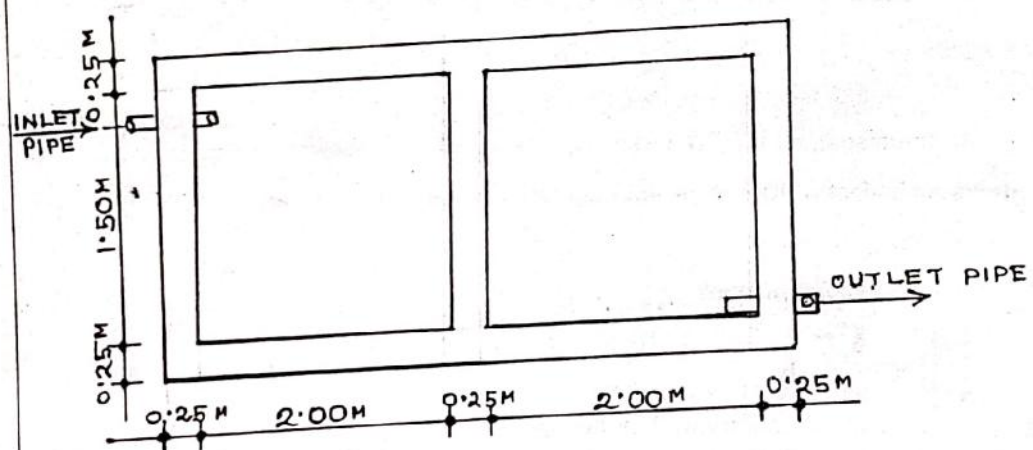
Checked By:
Sd/-
NO (RIDF), EE(F/C)

Checked By:
Sd/-
AAE

Prepared By:
Sd/-
PM (RIDF)



L-SECTION



PLAN

PROPOSED PLAN L-SECTION OF CONSTRUCTION OF 10,000 LT CAPACITY WATER STORAGE TANK AT GROUND LEVEL (BRICK)			
SCALE	DRAWN BY	CHECKED BY	APPROVED
NTS	 PM (RIDEF)	 AAE	SD/- CEA