



Govt. of Assam
Directorate of Agriculture, Assam

No. AGRI/ENGG/6071/RIDF-XXIX/2023-24/141

Dated: 30/12/2023

From: Director of Agriculture
Khanapara, Assam, Guwahati-22

To: The Executive Engineer (Agri) (All).....
The Asstt. Executive Engineer (Agri) (All).....


Sub: Circulation of approved Guidelines, SOP, Estimates, District Allotment etc. for implementation of the SPV Pump sets installation under RIDF-XXIX Scheme

Sir,

With reference to the subject cited above, please find enclosed herewith approved Guidelines, SOP, Estimates, District allotments etc. for proper implementation of the SPV Pump sets under RIDF-XXIX Scheme. The implementation should be completed within the time frame specified by the circulated guidelines.

Enclosed: As stated

Yours Faithfully


Director of Agriculture, Assam
Khanapara, Guwahati-22

Memo no. AGRI/ENGG/6071/RIDF-XXIX/2023-24/141-A

Dated: 30/12/2023

Copy to:

1. The Deputy Commissioner(All).....for information and necessary action.
2. The DAO (All)..... for information and necessary action.
3. The concerned empanelled vendors for information and necessary action.
4. PS to the Principal Secretary and APC to the Govt. of Assam, Agriculture Department, Dispur, Guwahati-06 for kind appraisal of the Principal Secretary and APC .


Director of Agriculture,

Standard Operating Procedure (SOP) for installation and commissioning of SPV pump-set under RIDF-XXIX
(For 3302 nos. SPV of total allotment)

A. District Level (per District)


SN	Particulars	Timeline
1.	Collection of application	30 days from the date of receipt of guideline and allotment
2.	Approval of DLSC	15 days from the date of submission of scrutinized application to the DLSC by the District Engineer
3.	Issue of Sanction Order	Within 7 days from the date of selection of beneficiary by DLSC
4.	Collection of farmer's share	Within 15 days from the date of issue of sanction order from selected farmer
5.	Issue of supply/work order to empanelled vendor	Within 7 days after receiving farmer's share
6.	Installation and Commissioning (40 Nos min per month)	15 days from the date of receipt of supply order
7.	Submission of Tax invoice by vendor to the district engineer	Within 15 days after the date of Commissioning (40 Nos per month)
8.	MIS uploading	To be completed before submission of claim to Directorate
9.	Preparation of claim of Subsidy and submission to Directorate	Within 20 days from the date of receipt of tax invoice from the vendor

B. Directorate Level

SN	Particulars	Time line
1.	Circulation of guideline	Within 15 days from the date of Administrative Approval accorded
2.	Selection of vendor for empanellement	Within 15 days from the date of Administrative Approval accorded
3.	Issue of allotment to district engineer	Within 10 days from the date of Administrative Approval accorded
4.	Release of subsidy against claim submitted by district engineer (500 No per month)	Within 15 days from the date of receipt of claim from district
5.	Project Completion period	2 years from the date of Administrative Approval accorded

C. Following documents to be enclosed with the claim for release of subsidy to the Directorate(3 copies each)

1. Copy of sanction order and work order for supply and installation of SPV pump set.
2. Attested copy of DLSC list approved by the chairman DLSC. However the district engineer should sign with seal on every page of the list. Farmer's name to be highlighting for whom claim submitted.
The continuity of the sl, order should be maintained in the DLSC list.
3. Commissioning report (Annexure-V)
4. Tax Invoice in triplicate along with delivery challan for installation of SPV pumping system.
5. Coloured photograph(s) of SPV Array,pump, Controller/Inverter along with STW and farmer, AAE or JE or AEA duly certified by the respective District Engineer.
6. Documentary evidence of MIS uploading.
7. Documentary evidence of farmers share receipt.
8. Bill and MB


 Director of Agriculture, Assam
 Khanapara, Guwahati-22

Guideline for Supply, Installation & Commissioning of Solar Photovoltaic Pump set with existing Shallow Tube Well (STW) under RIDF-XXIX

A.	Introduction
	This guideline is based on DPR of supply installation of SPV pump set with existing STW under RIDF-XXIX which is approved by Department of Agriculture Govt. of Assam vide no-AA/AGR_2023-24(I)_202 dated:28/10/2023.This guideline under RIDF-XXIX for supply and installation of SPV Pump set to the farmers having existing working STW to be effective from the date of Govt. approval. The director of Agriculture will finalized the district wise tentative target as per Annexure-A for supply, installation and commissioning of SPV pumping system for assured irrigation. Govt. has accorded Administrative Approval for supply and installation of 3302 No of SPV pump set (as per district allotment) in 33 district. vide no-AA/AGR_2023-24(I)_202 dated:28/10/2023.The implementation of project is under process as follows
B.	Abbreviation/Definition
	<p>RIDF: Rural Infrastructure Development Fund under National Bank for Agriculture and Rural Development ;</p> <p>STW: Shallow Tube Well;</p> <p>SPV system: Solar Photovoltaic Pumping System;</p> <p>Project: Installation and commissioning of SPV pumping system.</p> <p>Beneficiary: Group of farmers or individual farmer applying/ selected for availing subsidy against the project</p> <p>Subsidy: Admissible Govt. Subsidy against project component;</p> <p>Department: Department of Agriculture, Govt. of Assam;</p> <p>Directorate: Directorate of Agriculture, Govt. of Assam, Khanapara, Guwahati-22;</p> <p>Director: Director of Agriculture, Govt. of Assam;</p> <p>Chief Engineer: Chief Engineer, Agriculture, Directorate of Agriculture, Govt. of Assam, Khanapara,Guwahati-22;</p> <p>DLSC: District Level Selection Committee;</p> <p>DBT: Direct Benefit Transfer of subsidy amount;</p> <p>District Engineer: Executive Engineer or Asstt Executive Engineer of Agriculture Department, Govt. of Assam, who is in-charge of the respective District;</p> <p>DAO: District Agriculture Office;</p> <p>ADO: Agriculture Development Officer of Agriculture Department, Govt. of Assam;</p> <p>JE : Junior Engineer of Agriculture Department, Govt. of Assam;</p> <p>AEA: Agriculture Extension Assistant of Agriculture Department, Govt. of Assam;</p> <p>Vendor/ Supplier: Manufacturer/ System Integrator empanelled by Director for Supply, installation and commissioning of SPV system</p> <p>G.P: Gram Panchayat</p> <p>G.B: Gaon Burah</p>
C.	Eligibility criteria
	<p>i) Group of farmers or individual farmers having around 2.00ha of contiguous cultivable agricultural land with an existing working boring for assured irrigation, shall be eligible for admissible subsidy. Willing farmers may submit application in prescribe format (Annexure-1) to the office of the native District Engineer.</p>
	<p>ii) In case of group of farmers an agreement to be executed between members as per format enclosed in Annexure-1(A) for equitable distribution of the water and admissible subsidy shall be in the name of leader of the group. This agreement required to be submitted along with the application.</p>
	<p>iii) Farmers from Char areas and Forest Villages who may not be having land holding documents issued by revenue authority, the ADO, AEA would identify the farmers applied for SPV pumpset and Gaon Burah (GB) of the revenue village would provide land possession certificate. In case of farmer's from forest village, NOC from forest authority is mandatory.</p>

D. Admissible Subsidy

SN	Type of Irrigation	Particulars of Items	Admissible Govt. Subsidy	Farmer's Share
1.	SPV Water Pumping System	Supply, installation and commissioning of SPV water Pumping system with existing STW	85% of unit cost of each SPV pump set	15% of unit cost of each SPV pump set

E. Application process

The District Extension machinery of Agriculture Department shall collect application forms along with supporting documents from willing farmers and after verification by ADO or JE concerned, shall submit to the District Engineer for placing before DLSC. The application form shall be made available in the office of the EE/DAO/AEE/SDAO and in the web site www.dlragri.assam.gov.in.

F. Selection of Beneficiary

District Level Selection Committee (DLSC) shall be constituted as per Govt. Notification number AGA364/2013pt/240 dtd 20.08.2018 (enclosed at the Annexure-VIII(A) and for Kokrajhar/Chirang/Baksa/Udalguri (BTC) District shall be constituted as per Govt. Notification No. BTC/Agri-78/2015/170 dtd 30.08.2018 (enclosed at Annexure-VIII(B)).

- (i) The District Engineer will prepare list of beneficiaries on first come first serve basis and place the same before the DLSC. The DLSC will select list of eligible beneficiaries on the basis of eligibility criteria.
- (ii) The District Engineer, on receipt of approval of beneficiaries list from DLSC, shall issue a sanction letter (format at Annexure-II) in favour of the selected beneficiary. On the strength of sanction letter, selected beneficiary would deposit Farmer's share for SPV pumping system as per their choice of Vendor/Make/Model of SPV pumping system from the empanelled list. Farmer's share shall be deposited in the form of bank draft, drawn in favour of respective supplier. In case if beneficiary deposited farmer's share in cash, the district engineer shall issue formal receipt, to the beneficiary. District Engineer shall maintain a register to record details of farmer's share received and disbursed.
- (iii) On deposition of Farmer's share and after obtaining an undertaking from the beneficiary (format at Annexure-IV) the District Engineer will issue supply order/ work order (format at Annexure III).

G. Water Sample Collection

District Engineer may conduct water sample testing from out source.

Rate Schedule for Water Sample Test

SN	Particulars	Cost/Sample (in Rs)	Remarks
1.	Testing for Arsenic	324.00	As per requirement (100% per District)
2.	Testing for Fluoride	300.00	As per requirement (10% each District)
3.	Testing for Iron	240.00	As per requirement (10% each District)
4.	Testing for Hydrocarbon	240.00	As per requirement (10% each District)

H. Supply, Installation and Commissioning of SPV pumping system

- i) Chief Engineer on behalf of the Director Agriculture will empanel manufacturer for Supply, Installation and Commissioning of SPV pumping system.
- ii) The District Engineer will issue Supply Order/ Work Order indicating the Vendor/Make/ Model of SPV pumping system, detailed of beneficiary and location of supply and installation with intimation to the vendor/supplier to execute the SPV pumping system.
- iii) During layout of site for SPV pumping system, the field engineer should maintain a distance not exceeding 6m between the existing bore hole and SPV panel to minimize

	power loss and for efficient discharge. The SPV panel should be installed in the shadow free area.
iv)	'Scope of work' will be executed by the empanelled vendor as per Annexure-VII.
v)	In case of SPV pumping system civil works for installation/ grouting of SPV pole/ mounting structure/ electrical work etc shall be executed by empanelled vendor/ supplier as per model Plan and estimation of foundation for the steel structure of solar panel as it has to withstand wind of up to 150km/hr velocities
vi)	Claim will be prepared by the District Engineer and one copy of all relevant document will be retained by the District Engineer for further verification and audit.
vii)	<p>For releasing of Govt. share (subsidy) to the supplier against supply and commissioning of the SPV pumping system, the supplier shall produce the following documents to the respective District Engineers for preparation of bill, MB and subsidy claim statement as per statement B(ii).</p> <ol style="list-style-type: none"> Tax invoice in triplicate along with delivery challan for installation of SPV pumping system. Physical verification report, completion certificate and handing over and taking over certificates (Annexure-V) jointly signed by supplier, respective District Engineer and the beneficiary. Coloured photographs of SPV array, pump, controller/inverter along with STW duly certified by the respective District Engineer. Handing over certificate of SPV pumping system to the beneficiary jointly signed by the beneficiary and supplier and counter signed by the respective District Engineer. Performance report based on data received from remote monitoring system or data logger, in cases where internet services are not available. Certificate for civil work for installation of mounting structure of SPV, certified by the District Engineers, District Engineer will retain the original documents viz. Bill, MB, tax invoice etc in his office for future verification, audit etc. After obtaining claim as per Statement-B(ii), from district Engineer, the subsidy will be released from directorate as per Statement-B(iii) for SPV pump-set.
I.	Disbursement of Subsidy
	On completion of installation, commissioning of SPV pumping system, the District Engineer will submit claims as per prescribe format at Statement-B(ii) for SPV pump for release of admissible subsidy through RTGS in favour of the: (a) Supplier for supply, installation and commissioning of SPV pumping system.
J.	Data Uploading in RIDF portal: (www.ridfportal.in)
	All information pertaining to beneficiary, Commissioning of SPV pumping system, shall be uploaded on the RIDF portal prior to the submission of claim for release of subsidy.
K.	Duration of Service
	a) In case of Solar Photovoltaic Water Pumping System the duration of service of Solar Photovoltaic is 20 years from the date of commissioning.
L.	Monitoring of Evaluation
	<ol style="list-style-type: none"> Monitoring of the scheme would be done periodically by the Departmental officers as well as Third party may be engaged by the Department. The District Engineer shall properly maintain a record keeping Register for SPV pumping system to record Vendor/Make/Model/Engine No., Pump no. Solar Controller and Solar PV Array, and beneficiary details as per format at Annexure-VI. The operation & maintenance of the SPV pumping system shall be done by the beneficiary. The beneficiary shall clean the PV panels on weekly basis so that the performance of the solar panels remains optimum. The cost of maintenance of the Pump-set is to be borne by the borne by the beneficiary. During the life time (duration of service) of the SPV system, beneficiary shall not sell or transfer the SPV system to any other party. Appropriate legal action would be initiated against

the defaulter.

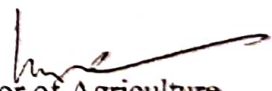
- e) Beneficiary shall be responsible for any damage, loss and the theft of SPV system.
- f) Officials of Agriculture Department, district Administration or any other Agency/ Officials as authorized, shall inspect the SPV system at any time to ensure its utilization. Log Book and the Cultivation register duly maintained by the beneficiary shall be opened for verification by the Officials.
- g) In case of any dispute related to the project, the Director of Agriculture shall resolve the issue amicably.

M. Monthly progress report to be submitted to Directorate as per format at Annexure-B



Director of Agriculture
Assam, Khanapara, Guwahati-22

N.	Annexure	
1	Annexure-I:	Application Form for Supply, Installation and Commissioning of SPV water Pumping System.
2	Annexure-I(A):	Format for Deed of Agreement for Farmer's Group
3	Annexure-II:	Format for Sanction Letter for Supply, Installation and commissioning of SPV system.
4	Annexure-III:	Format for Supply Order/ Work Order for Supply, Installation and commissioning of SPV system.
5	Annexure-IV:	Format for Undertaking by beneficiary for SPV Water Pumping System under RIDF.
6	Annexure-V:	Format for Physical Verification, completion certificate, handing over, taking over certificate & GPS reading for Installation of SPV water Pumping-System under RIDF.
7	Annexure-VI:	Format for Record Keeping Register for SPV Pumping System.
8	Annexure-VII:	Scope of Work for Supply, Installation and Commissioning of SPV Water Pumping System.
9	Annexure-VIII:	District Level Selection Committee (DLSC)
10	Annexure-VIII(A):	District Level Selection Committee for Kokrajhar/ Chirang/ Baksa/ Udalguri Districts under BTC
11	Annexure-A	Allotment
12	Annexure-B	Monthly Progress report
13	Statement-B (ii)	Subsidy claim format against instruction of SPV Water Pumping System
14	Statement-B (iii)	Subsidy released statement for SPV pump-set
15	Annexure-C	Foundation Estimate and the Steel Structure Drawing for fitting SPV Panel should be installed after formal approval of the Department.
16	Annexure-D	Payment Terms
17	Annexure-E	MNRE Rate


 Director of Agriculture
 Assam, Khanapara, Guwahati-22

Annexure-I**Application Form for Supply, Installation and Commissioning of SPV Pumping System**

(To be filled by official)

Serial No:

Date of Submission:

Sign of receiving official:

To

The EE(A)/ AEE(A).....District.....

One copy of
recent passport
size self attached
photo of applicant
must be paste here

1. Shri/Smt.....(Name of Applicant i.e individual farmer or group leader).furnish the following information for allotment of one No. of SPV pump set.

1. SPV applied for :

Name of SPV

2. Address of the applicant (individual farmer or group leader):

Village:	Block:
PO:	PS:
LAC:	GP:
Mobile No:	Email ID:

3. Bank Account details of applicant (individual farmer or group leader) :

Bank Account No	IFSC Code:
Bank Branch:	Name of Bank:

4. Detail of Land (of individual farmer or all farmers of the group applied for the SPV):

SN	Name of farmer(s)	SC/ST Women	Father's/ Husband Name	Voter ID No.	Cultivable area for proposed STW (bigha)	Present cropping pattern	Proposed cropping pattern
1	2	3	4	5	6	7	8
(i)							
(ii)							
(iii)							
(iv)							
				Total			

5. Details of Existing STW selected for installation of SPV pump sets

Dia of Well:	GPS Reading:
Depth of Well:	Present Condition of the Well:
Age of Well:	Marking No:
Average Discharge of Well:	

6. Kishan Credit Card details:

KCC No & date	Bank	Branch

7. Choice of Farmer: Name of Supplier/ Vendor.....

8. Self attested copies of following documents are to be submitted along with the application:

SN	Document to be submitted	Yes/No
1.	Copy of Voter ID (EPICX)/Aadhar	
2.	Copy of land holding certificate or Title deed or Jamabandi or Land Possessing certificate from Gaon Burha or Moujadar as proof of ownership of cultivable area for proposed STW in the name of applicant farmer(s) (For land shown in Column-6 of Point-4)	
3.	Copy of caste Certificate for SC/ST farmers from appropriate authority.	
4.	Copy of KCC (if any)	
5.	One copy of recent passport size photo of applicant	

All the information and statement furnished in with this application by me/us are true and I/we accept that any misinterpretation contained in it may led to my/our disqualification. I/we understand that decision of according approval or rejection of my/our application shall be binding on me/us.

Place:

Date:

Signature of the Applicant

(Individual farmer or group leader)

This is to certify that the applicant individual farmer/group of farmers is/are identified and information and statement furnished in with this application are verified as true and submitted to EE(A)/AEE(A) for necessary action.

(Seal & Sign of AEA),

(Seal & Sign of ADO or JE),

Date:

Counter Signed

Place:

EE(A)/AEE(A)

Annexure-I(A)

Format for Deed of Agreement for Farmers' Group
(To be executed by the Farmer' Group to cover n command area of 2.00ha)

We, the undersigned, members of the farmer Group under leadership of Shri.....
of Vill.....P.O.....District.....applied for Supply and
Commissioning of SPV pump-set at the land of our leader. We have contiguous agricultural cultivable
land of.....Bigha to cover a command area of 2 ha as per following schedule. This agreement is
hereby executed between us for equitable share of water among us for irrigation purpose extracted from
the SPV water pumping system.

Sl. No	Name & Address of member (Farmer)	Land holding (Bigha)	Schedule of land (Dag & Patta No)	Signature

We hereby agreed to share the irrigation water proportionally among us for cultivation from the SPV pump-set applied for.

Signature of Group Leader

Signature of members
(Farmer)

Witness

(Name and Address)

Verified By-

AAE/Junior Engineer

Annexure-II

GOVT. OF ASSAM

OFFICE OF THE EXECUTIVE ENGINEER (AGRI)/ASSISTANT EXECUTIVE ENGINEER (AGRI)

(Format for Sanction Letter for Supply, installation and commissioning of SPV pumping system)

No.....Date.....

From: The EE(Agri)/ AEE (Agri)

To, Shri.....(Name & address of selected beneficiary)

Sub: Sanction Letter for Supply, installation and commissioning of SPV pumping system

Ref: Minutes of DLSC No.....dtd.....(Selected SI no.....)

Sir,

In pursuance of Minutes of District Level Selection Committee of.....District held on
.....issue vide Memo. No.....Dtd.....(selected SI. no.....), and as per farmer's
choice sanction letter is hereby issued to you for allotment of one no of SPV pump-set under RIDF for the year.....as
detailed below.

1.	Name: (Farmer/Group leader)			
2.	Father/Husband's name:			
3.	Vill:			
4.	PO:			
5.	Block:			
6.	Eligible subsidy			
	Components (where applicable)	Approved Unit Cost (Rs)	Govt. Admissible subsidy in %	Maximum Govt. admissible subsidy (Rs)
	a) SPV water Pumping System consisting of (Surface Pump)(Type/Model)		85%	

The individual farmer/ group leader is requested to deposit beneficiary's share for share for Supply, installation and commissioning of SPV Pumping System as per their choice of Vendor/Make/Model for SPV Pumping System from the empanelled list (enclosed) within 09 days from the date of issue of this provisional sanction letter, failing which provisional sanction issued will automatically lapse. Beneficiary's share shall be deposited in the form of bank draft, drawn in favour of respective Vendor/Supplier. In case of cash deposition the formal money receipt to be issued to farmer.

.....EE(Agri)/AEE (Agri).....
Memo No.....Dated.....

Copy forwarded for favour of information to:-

1. The District Commissioner.....
2. The Director of agriculture, Assam, Khanapara, Guwahati-22
3. The Chief Engineer, Agriculture, Assam, Khanapara, Guwahati-22
4. The Chairman, DLSC.....
5. Sri.....AAE/Sri.....JE to EE (A)/AEE (A).....for information and necessary action.

EE (Agri)/AEE (Agri)

Annexure-III

GOVT. OF ASSAM

OFFICE OF THE EXECUTIVE ENGINEER (AGRI.)/ASSISTANT EXECUTIVE ENGINEER (AGRI)
Format for Supply Order/ Work order for Supply, installation and commissioning of SPV pumping System

No..... Dated.....

To, M/S.....(Name & address of Supplier/ Vendor)
.....

Sub: Installation of SPV pump-set (Surface)

Ref: Sanction letter no.....Dated.....

Dear Sir,

In response to sanction letter no. mentioned at reference, you are requested to collect plan and estimate for installation of RCC foundation with steel structure (for SPV pumping system) and farmer's share (as advance) from this office and execute as per particulars furnished below and commissioning etc as per Annexure-V in consultation with farmer and under supervision of AAE and JE to EE(A)/AEE (A).

1.	Particulars			
	Components (where applicable)	Approved Unit Cost (Rs)	Admissible subsidy in %	Maximum admissible subsidy (Rs)
	a) SPV water Pumping System consisting of (Surface Pump)(Type/Model)		85%	
2.	Completion time for installation of SPV water Pumping System	10 days from the date of issue of this contract		
3.	Enclose Farmer's Share details			
4.	GPS Reading details			
5.	Marking details			

.....EE(Agri)/AEE (Agri).....
Memo No.....Dated.....

Copy forwarded for favour of information to:-

1. The District Commissioner.....
2. The Director of agriculture, Assam, Khanapara, Guwahati-22
3. The Chief Engineer, Agriculture, Assam, Khanapara, Guwahati-22
4. Sri.....AAE/Sri.....JE to EE (A)/AEE(A).....for information and necessary action. They are requested to supervise the work and prepare Bill, MB record required document, maintain record keeping register etc
5. The beneficiary Sri.....farmer for information and necessary action. He is requested to show the exact site for installation of SPV pumpset to the supplier under the supervision of AAE/JE.

EE (Agri)/AEE (Agri)

Annexure-IV
Format for Undertaking by beneficiary for SPV Water Pumping System under RIDF
 (To be signed in non-Judicial Stamp Paper of Rs.10/- also strike out where not applicable)

Passport
size
Photograph
of
individual

I, Sri/Smt.....(name of individual farmer or group leader)

s/d/w/o.....Village....., PO:....., PS:.....District:

.....here solemnly giving the following undertakings on....../...../2023, for availing subsidy for commissioning of SPV Pumping System under RIDF, which will binding on me and any violation of these, will penalize me for legal action and or action as decided by the Department of Agriculture, Assam.

1. This Undertaking is made for the purpose to develop Irrigation facility for increasing production and productivity.
2. I/We understood 85% cost of Solar PV pumping system will be borne by the Agriculture Department subject to the limit of maximum admissible subsidy and as balance farmer's share shall be borne by me/us from self resources.
3. I/We enclosed herewith an undertaking for optimum utilization of STW water for irrigation in proportionate share with the participating undersigned group members.
4. I/We will abide by the "Guideline for Supply, installation and commissioning of SPV Pumping System under RIDF
5. I/we understood that insurance of the SPV system is mandatory and I will abide by this.
6. I/we shall bear the cost of operation and maintenance of the SPV pumping system.
7. I/we shall properly & effectively utilize irrigation water available from the SPV Pumping System and allow nearby farmers to derive the benefit or all the members of the group can derive the benefit.
8. I/we will not sell or transfer the SPV pumping system to any other party during the service period.
9. I/we understand that the Officials of the Agriculture Department, or any other agency authorized by the Agriculture Department, shall have the right to inspect the SPV pumping system at any time to ensure its utilization and take action for illegal utilization or loss.
11. I/we shall be responsible for any damage, loss and theft of SPV pumping system.
12. I/we shall maintain proper log book and utilization register as prescribed by the Agriculture Department for Inspection of the same at any time.
13. I/we understand that any dispute between me/us and the Agriculture Department will be resolved amicably by the Director of Agriculture, Khanapara, Guwahati-781022.
14. I/we fully understand that any violation of clauses enumerated above will penalize me/us for legal action and or action as decided by the Department of Agriculture, Assam and put my/our signature below in my/our good state of mind(s) in presence of the following witnesses

Date:

Place:

Witness:

Signature of Farmer/members of the group

1.

2.

(Write full address & contact nos.)

Annexure-VFormat for Physical Verification, Completion certificate, Handing over, taking over certificate GPS reading for Installation and Commissioning of SPV pump-set under RIDF

Issue No.....

Date.....

This is to certify that one No. SPV Pump-set installed and commissioning as per approved plan and estimate under RIDF are physically verified jointly by us on dated.....and observations are recorded below-

1.	Name of beneficiary (individual farmers or group leader):	
2.	Father/Husband's name	
3.	Vill & PO	
4.	District	
5.	(a) Sanction Order No	
	(b) Work Order No	
	(c) DLSC minutes No	
	(d) SL no of application	
	(e) MB No.....Recorded Page.....Recorded by.....	
	(f) Bill Register No/page/SI No dtd.....	
6.	(a) Date of Handing over of SPV pump-set by supplier	
	(b) Date of taken over of SPV pump-set by beneficiary	
7.	Date of Commissioning	
8.	Discharge recorded (Litre/Sec):	
9.	Type of Pump-set (received by the beneficiary)	
	a) SPV Pumping system	
10.	a) Make & Model of Solar Pump-set	
	b) SI. No of Solar Pump-set, solar controller and Solar PV Array	
	c) Name & Address of vendor of SPV Pumping system:	
11.	GPS of SPV Pump-set and STW Recorded	
	a) Latitude (dd°mm'ss.s" N):	
	b) Longitude (dd°mm'ss.s" N):	
12.	Water Sample Collected & Submitted to laboratory	
13.	Installation Cost: Govt Subsidy Rs.....+Farmer's Share Rs.....=Rs.....	

Sign of Beneficiary farmer	Seal & Sign of Representative of supplier of SPV P/system or his authorization respectively	Seal & sign of AAE/JE	C/S by EE(A)/AEE(A)
	Name	Name	

Annexure-VI
Format for Record Keeping Register for SPV Pumping system

SN	Name of individual farmer or group leader	Address (Vill & PO)	Type of SPV Pump-set	GPS		Water Sample		Make/Model & SI No of	Cost of SPV Pump-set	Subsidy claimed for
				Lat.	Long.	Collected Or Not	Result	Solar Pump	SPV Pumping system	SPV Pumping system (Rs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

SCOPE OF WORK FOR SUPPLY, INSTALLATION AND COMMISSIONING OF SPV WATER PUMPING SYSTEM

1.	<p>Supply, installation and commissioning of SPV water pumping System :</p> <p>The empanelled Respondent shall generate demand for their proposed SPV water pumping system among prospective farmers in various districts of the State of Assam and as per interest of beneficiary farmers, they will select the system from empanelled manufacturers/ system integrators. Respondent shall supply, install and commission of SPV water pumping system at various locations in different districts of Assam without any preference for any specific site/district or without any prejudice to any beneficiary.</p>
1.1	The Respondent will have full responsibility for packaging, forwarding, transportation, supply and any type of breakages/ losses etc. thereto. The goods/ systems will be delivered at the destination, installed and commissioned at site in the perfect conditions.
1.2	Respondent shall install SPV water pumping system with 2 HP DC surface solar pump (PV Array capacity of 1800Wp after commissioning with an existing STW successfully. Manufacturers will have to put a Name plate/ Label and Mark Bar code &/ Serial No./ Code No. etc. of their products as per NABL/ MNRE/ BIS/ BEE or other applicable specification(s).
1.3	The Respondent shall be responsible for survey (selection of proper bore well/ tube well having sufficient yield in the premises of beneficiary), supply, installation & commissioning of various capacities/ heads of SPV water pumping systems with all required accessories and fittings i.e. SPV panels should be mounted on a suitable structure with a provision of three times manual tracking, surface/ submersible motor pump set with a suitable inverter/ controller with a provision of remote monitoring of pump, electronics (MPPT, Inverter, Electronics Protections), interconnected cables, on-off switch, GI/ HDPE riser pipe/ suction pipe & all required accessories, fittings related to civil works along with 5 years warranty & Comprehensive Maintenance Contract (CMC) etc. in different villages/ sites located all over the state of Assam. The same make of solar panels, pumps and inverter/ controller, for which the test report is submitted in the RFP, should be supplied by the Respondent.
1.4	Civil works for installation/ grouting of SPV pole/ mounting structure/ electrical work etc. shall be scope of Respondent. It should have proper foundation as the steel structure of solar panel has to withstand wind of up to 150 km/hr velocities. A model Plan and estimate of foundation for the steel structure of solar panel is attached at Annexure –C which is exclusive of benchmark cost.
1.5	All metal casing or shielding of the pumping system shall be thoroughly grounded to ensure safety of the SPV water pumping system.
1.6	An Operation and Maintenance Manual, in both Assamese and English language, should be provided with the SPV water pumping System. The manual should have information about solar energy photovoltaic modules, motor pump set, tracking system, mounting structures, Electronics & Switches etc. it should have also clear instructions about mounting of PV module, DO's and DONT's and on regular maintenance and trouble shooting of the pumping system. Name and address of the person or centre to be contacted in case of failure or complaint should also be provided. A warranty card for the modules and the motor pump set should also be provided to the beneficiary.
1.7	The Respondent shall be required to submit performance report to the purchaser after commissioning on half-yearly basis till completion of Comprehensive Maintenance Contract (CMC) period. The Respondent will submit the consolidated annual performance report to the purchaser, which will contain an abstract of half-yearly reports submitted already.
1.8	The supplied materials should be strictly as per TS by MNRE, otherwise it will be liable for rejection. In case of any defective material or any type of substandard material is supplied, the material will be rejected and it will be the responsibility of the Respondent for taking back the rejected materials at his own cost within (15) fifteen days from the date of communication of rejection. Purchaser/ beneficiary shall not be responsible for security/ safety of the material rejected. Any type of fittings, accessories, assemblies, essentially required components as per NABL/ MNRE/ BIS/ BEE Standards & Practices as applicable, but not described or mentioned in bidding document shall have to be supplied by the Respondent at his own cost.

1.9	Defective materials will not be accepted under any conditions and shall be rejected outright without any compensation. The Respondent shall be liable for any loss/ damage sustained by purchaser due to defective work. The Respondent shall replace the defective material at his own expenses to the satisfaction of purchaser/ beneficiary. The Respondent shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of the materials.
1.10	There should be provision of remote monitoring on all systems through Remote Monitoring System. Such system shall be with the latest software/ hardware configuration and data connectivity for online/ real time monitoring, subject to availability of service network. In areas where internet services are not available, the data shall be made available through data logger. These systems should be supplied and maintained by the Respondent under CMC for 5 years.
1.11	The Respondent shall not assign, sublet or transfer the contract or any part thereof to any party without the prior express consent of the purchaser.
1.12	In the event of any of the breach of the conditions of the contract at any time on the part of the Respondent, the contract may be terminated by the purchaser without any compensation to the Respondent. All payments due shall be forfeited.
2.	Five years Warranty and Comprehensive Maintenance Contract (CMC):
2.1	It is mandatory on the part of Respondent for providing post installation CMC services for maintaining and monitoring the commissioned SPV water pumping systems up to the period of 5 years from the date of commissioning. The date of CMC will begin from the date of commissioning of the SPV water pumping system.
2.2	For carrying out the maintenance service during the warranty & CMC effectively, the Respondent shall establish at least one local service centre at each district where number of SPV water pumping systems commissioned by Respondent are equal or more than one hundred. The Respondent will maintain the records of maintenance/ certificate of half-yearly visits. As the maintenance facility is to be provided in the warranty of CMC, hence no additional payment will be made for maintaining the above inventory at the service centre.
2.3	It shall be the responsibility of the Respondent to ensure 100% working status during the five year warranty and CMC period. The Respondent will have to arrange all required instruments, tools, spares, trained manpower and other necessary facilities at service centre and shall repair/ replace all defective components such as SPV module, Inverter, controller, pump, mounting structures, electronics, wiring etc.; at his own cost against warranty.
2.4	During 5 year warranty and CMC service shall have two distinct components as described below: a) Preventive / Routine Maintenance: This shall be done by the Respondent at least once in every six months and shall include activities such as cleaning and checking the health of SPV water pumping system, tightening of all electrical connections, adjusting nut & bolts, screws, members etc. of mounting structure, and any other activity that may be required for proper functioning of the SPV water pumping system as a whole. b) Breakdown/ Corrective Maintenance: Whenever a complaint is lodged by the user/ purchaser, the Respondent or his representative shall attend to resolve the same in not exceeding (7) seven days from the date of intimation and the rectification/ replacement work done shall be certified by the District engineer/ beneficiary, failing of which the Breakdown/ Corrective Maintenance shall be done by the purchaser at the risk and cost of the Respondent and all such expenses shall be recovered from him.
2.5	Insurance: Insurance of the SPV water pumping system is under the scope of CMC covering the warranty period. The Respondent is responsible for insurance coverage of the SPV water pumping system for following events: a) Loss & theft b) Damages due to lightening, hailstorm or other natural calamities
2.6	After the commissioning of the SPV water pumping system, the following instance might lead to shortening of the CMC period. Accordingly it may lead to recovery of exigency charges @4% of the work order value of that pump, for each year of reduction from intended CMC period of 5 years. a) Water level recedes below pump shutoff level b) Theft of component(s) c) Panel breakage/ damage d) Bore well collapse e) Controller damage

3	Timeline: Respondent shall have to commission the SPV water pumping system within the time period allowed, on the basis of quantity and location of works, in the respective work order.
3.1	In case of non-commission of SPV water pumping system within the allowed time period due to unavoidable circumstances or event of Force Majeure, purchaser may grant time extension subject to justified reasons submitted by the Respondent to his satisfaction.
3.2	The time period specified in the work order shall be deemed to be the essence of the contract and the Respondent shall arrange all the needful within the stipulated period.

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Annexure VIII

**District Level Selection Committee (DLSC),
Govt. Notification No: AGA 364/2013/Pt./240**

Sl. No.	Designation	Position
1.	District Commissioner/ Principal Secretary of Autonomous Council in 6 th Scheduled Areas	Chairperson
2.	District Development Commissioner	Member
3.	CEO of Autonomous Council within the District, if any (e.g. RHAC, MAC, TAC etc.)	Do
4.	Head of KVK	Do
5.	SDO(C) of outlying Subdivision	Do
6.	CEO, Zila Parishad	Do
7.	Joint Director, Agriculture (Zonal)	Do
8.	FAO of DC's office	Do
9.	DAO/ Executive Engineer, Agriculture	Member Secretary

The DAO or the EE will function as the member secretary depending on jurisdiction of subject matter of the meeting

The list of the selected beneficiaries along with minutes of DLSC will be displayed in the Notice Board of the office of the EE(A)/ AEE(A) and DAO of the district and shall be uploaded in the website www.agri-horti.assam.gov.in.

Annexure- VIII(A)

District Level Selection Committee for Kokrajhar /Chirang /Baksa /Udalguri Districts under BTC.
Govt. Notification No: BTC/Agri-78/2015/170

Sl. No.	DISTRICT LEVEL SELECTION COMMITTEE FOR KOKRAJHAR, CHIRANG, BAKSA, UDALGURI	
1.	Principal Secretary, BTC, Kokrajhar	Chairman
2.	District Agriculture Officer of respective district	Member
3.	AGM/Manager from APDCL of respective district	Special Invitee
4.	District Development Manager, NABARD of respective district	Member
5.	Lead Bank Manager of the District of respective district	Member
6.	EE(Agri)/AEE(Agri) of the respective District (District Engineer)	Member Secretary
7.	Two Farmer's (One male & one Female) nominated by the District Agricultural Officer.	Member
8.	One Progressive Farmer to be nominated by the MLA of each Constituency of the District.	Member


The list of the selected beneficiaries along with minutes of DLSC will be displayed in the Notice Board of the office of the EE(A)/AEE(A) and DAO of the district and shall be uploaded in the website www.agri-horti.assam.gov.in.

Annexure-A

District wise tentative allotment for installation and commissioning of SPV based on previous achievement/availability of ground water/Registration of Farmers in PM Kishan, under RIDF-XXIX

Sl No.	Districts	Allotment of SPV
1	Baksa	121
2	Barpeta	153
3	Bajali	89
4	Biswanath	121
5	Bongaigaon	110
6	Cachar	89
7	Charaideo	79
8	Chirang	89
9	Darrang	132
10	Dhemaji	96
11	Dhubri	95
12	Dibrugarh	96
13	Goalpara	116
14	Golaghat	148
15	Hailakandi	48
16	Hojai	89
17	Jorhat	96
18	Kamrup (R)	155
19	Kamrup (M)	68
20	Karbi Anglong	54
21	Karimganj	44
22	Kokrajhar	103
23	Lakhimpur	110
24	Majuli	79
25	Morigaon	133
26	Nagaon	116
27	Nalbari	132
28	Sivsagar	110
29	Sonitpur	100
30	South Salmara	79
31	Tinsukia	85
32	Udalguri	110
33	West Karbi Anglong	57
	Total	3302


Executive Engineer, (Agri),
Directorate of Agriculture
Assam, Khanapara G.V. 32


Director of Agriculture
Assam, Khanapara, Guwahati 78

Annexure-BFormat of monthly progress report

SN	No of application collected	No of application selected by DLSC	Farmer's Share Collected	Installation completed		Claim/Bill Submitted	Remarks
				Supplier	No		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

Prepared by

Countersigned by

JE/AAE

EE(A)/AEE(A)

STATEMENT B (II)
Subsidy claim format against supplying and installation of SPV Water Pumping System (separate sheet (SPV wise) shall be used)

SN	Particulars of Beneficiaries	Address Supplier for SPV Water Pumping System	Sanction Order detail	Details of SPV Water Pumping System			
	i) Name ii) Father/ Husband name iii) Village iv) P.O v) P.S vi) Block vii) ADO Circle viii) Dist ix) Contact no.	i) Name ii) Address of the Supplier as Tax Invoice submitted iii) GST No. iv) PAN No.	No. & Date	Unit Cost (inclusive of all taxes) (Rs)	Actual cost as per Tax invoice (Rs)	Stock Entry i) SN No. ii) Page No. iii) Model No. iv) Panel No. v) Array No.	i) Date of Commissioning ii) Commissioned by iii) Result iv) Date of handed over and taken over
1	2	3	4	5	6	7	8

Details of Farmer's Share in favour of Impanelled Vendor/ Supplier	Farmer Share handed over to supplier on (Date)..... vide money receipt (cash/BD)	Details of Subsidy amount to be released to party from Directorate	Amount to be released (Rs)	Bank Details of Supplier/ Vendor
15 % of total cost of SPV a.i) BD Amount of Rs. ii) BD no. & Date iii) Bank Branch iv) IFSC code b. In cash of cash deposit money receipt details In favour of SPV supplier deposited to District Engineer, BD released to the Supplier (SPV) (Rs)	10	For SPV Water Pumping System - 85% of unit Cost to the Party mentioned in Col.No. 5	11	Bank name Branch IFSC Code A C No
9				13

Certified that the work is completed as per approved plan and specification and all the documents mentioned in this format are retained in this office. Enclosed photograph of SPV pumping system with beneficiaries and Annexure-V, Work Order and Sanction order to supplier of SPV Pumping system, DLSC approved list, beneficiary share submitted statement. Certified that claim is submitted on being satisfied on performance/ all taxes are already paid by supplier.

Issue No. Date

Prepared By:

Checked By:

Countersigned

JE to EE(A) AAE(A)

AAE to EE(A) AAE(A)

Seal & Signature of EE(A) AAE(A)

Subsidy release statement for SPV with RCC foundation and steel frame

1) Project.....under RIDF

Sl. No.	Particulars	Amount	Remarks
2)	SD Money will be released to Suppliers after obtaining MIS/verification report from DC etc.		

[illegible]

Passed for Rs. _____
(Rupees) _____

Checked by

Prepared by

Director of Agriculture, Assam

Annexure-C

DETAILED ESTIMATE FOR RCC BASE FOR SPV PANNEL
RATE: Schedule rate of APWD (Building) Schedule for the year 2013-2014

SL NO	Description of Item	Unit	NO	L	B	H	Total	Rate	Amount
1.	Earth Work								
	Earth Work in excavation for foundation trenches of wall, retaining wall, footing of column, steps and septic tank etc including refilling (return filling) the quantity as necessary after completion 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 soil including bailing out water where necessary as directed and specified								
	Foundation for Column	Cum	1	1.20	1.20	1.40	2.02		
	Total						2.02	108.82	219.38
2.	Brick Soiling								
	Providing brick soiling in Foundation and under floor with best quality picked jhama bricks, sand packed and laid to level and in panel after preparing the sub-base as directed including cost material and labour completed								
	Brick on flat soiling	Sqm	1	1.20	1.20		1.44		
	Total						1.44	368.71	530.94
3.	P.C.C 1:2:4								
	Plain Cement Concrete (1:2:4) works with coarsed aggregate of sizes 13mm to 32 mm in foundation bed for footing steps, wall etc as directed and specified including curing completed (shuttering where necessary shall be measured and paid separately)								
	Foundation for Column	Cum	1	1.20	1.20	0.10	0.14		
	Total						0.14	4292.86	618.17
4.	RCC								
	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 works and reinforcement of reinforced cement concrete works (form work and reinforcement will be measured and paid separately)								
	(A) In Substructure upto plinth level								
	Foundation footing column with base tie and plinth beam pile cap base slab retaining wall, walls of septic tank inspection pit and the like and other works not less than 100 mm thick upto plinth level N) Without using admixture, c) M25 grade								
	Foundation (square portion)	Cum	1	1.20	1.20	0.20	0.29		
	Above GL	Cum	1	0.60	0.60	1.40	0.50		
	Total						0.79	5496.65	4353.35
5.	TIMBER SHUTTERING (FORM WORK)								
	Providing formwork of ordinary timber planking so as to give a rough finish including centering, strutting and propping etc height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removing the same for in situ reinforcement concrete and plain concrete work in								
	Foundation	Sqm	1	4.80		0.30	1.44		
		Sqm	1	2.40		1.40	3.36		
	Total						4.80	364.01	1747.25
6.	STEEL REINFORCEMENT								
	Steel reinforcement for RCC work including, straightening, cutting, bending placing in position and binding all complete								
	Foundation (Horizontal)	kg/m	22	1.20	0.39		10.30		
	Foundation (Vertical)	kg/m	8	1.80	0.62		8.93		

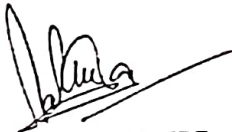
Stirrup	kg/m	10	2.24	0.39		8.74		
Total						27.96	71.59	2001.66
CEMENT PLASTER SKIRTING WITH CEMENT								
Foundation portion 1	Sqm	1	2.40		0.40	0.96		
Foundation portion 2	Sqm	1	0.60		0.60	0.36		
Total						1.32	230.44	304.18
TOTAL								9774.93
Adding 15% due to price escalation								1466.23
Sub Total=								11,241.16
Deduct 5% Vat								562.05
Sub Total=								10,679.11
Add 18% GST								1922.24
Grand Total								12,601.35
Say Rs								12,601.00

(Rupees Twelve Thousand Six Hundred One) Only

Prepared by

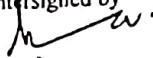


Junior Engineer (HQ)
Directorate of Agriculture,
Assam, Khanapara, Ghy-22



Project Manager (C) RIDF
Directorate of Agriculture,
Assam, Khanapara, Ghy-22

Countersigned by



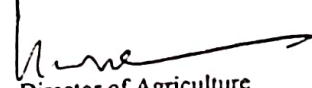
Executive Engineer (F/C)
Directorate of Agriculture,
Assam, Khanapara, Ghy-22

Checked by



AAE (HQ)
Directorate of Agriculture,
Assam, Khanapara, Ghy-22

Approved by



Director of Agriculture
Assam, Khanapara, Ghy-22

Prepared by

[Signature]

Junior Engineer
Directorate of Agriculture
Assam, Khanapara, Ghy-22

Checked by

[Signature]

AAE (HQ)
Directorate of Agriculture
Assam, Khanapara, Ghy-22

Checked by

[Signature]

Project Manager(C) RIDF
Directorate of Agriculture
Assam, Khanapara, Ghy-22

Countersigned by

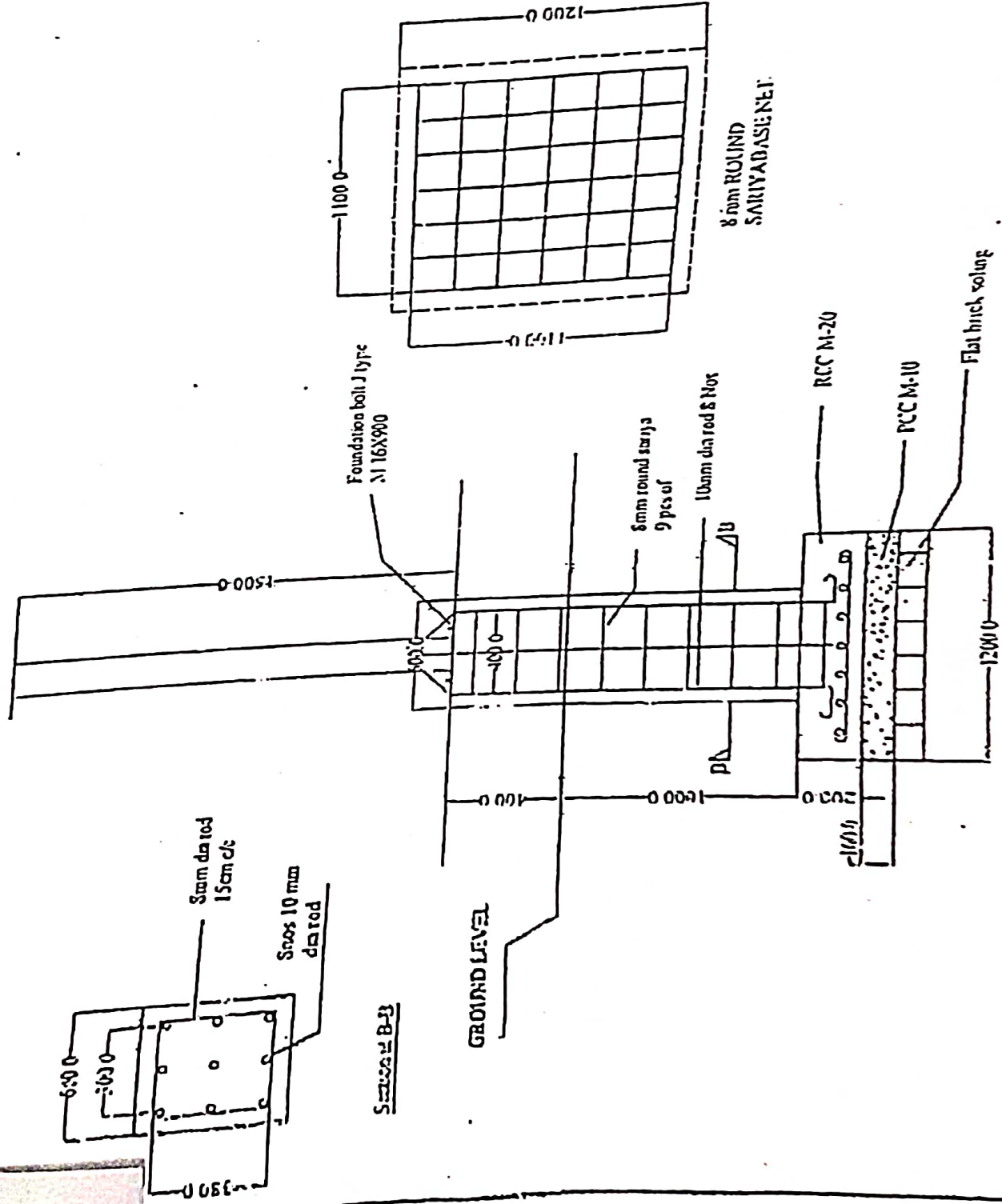
[Signature]

Executive Engineer(Agri)
Directorate of Agriculture
Assam, Khanapara, Ghy-22

Approved by

[Signature]

Director of Agriculture
Assam, Khanapara, Ghy-22



Annexure-D
SECTION-VI: PAYMENT TERMS (PT)

1.	Funding Pattern: Beneficiary's share and admissible Govt. subsidy shall be combined for funding as per pattern shown below: <table><tr><th>Particular of Item</th><th>Admissible Govt. subsidy</th><th>Beneficiary Share</th></tr><tr><td>SPV Solar Pump-set</td><td>85%</td><td>15%</td></tr></table>	Particular of Item	Admissible Govt. subsidy	Beneficiary Share	SPV Solar Pump-set	85%	15%
Particular of Item	Admissible Govt. subsidy	Beneficiary Share					
SPV Solar Pump-set	85%	15%					
2	Selection of Beneficiaries: Beneficiaries will be selected by a notified District Level selection Committee (DLSC) and the list of selected beneficiaries will be displayed in official website and notice board.						
3.	Sanction of Subsidy: After selection of beneficiaries by DLSC, respective District Engineer i.e. EE (Agri)/AEE (Agri) shall issue a provisional sanction letter to selected beneficiaries to deposit beneficiary share for pump-set in the form of Bank Draft. The sanction letter shall contain name & address of beneficiary, approved suppliers/makes/models/prices of pump-sets for opting his choice, admissible Govt. subsidy & beneficiary share for SPV pump-set.						
4.	Issue of Work Order:						
4.1	On receipt of beneficiary shares, respective District Engineers shall issue Financial Sanction Order to the beneficiary, with intimation to the concerned supplier for completing supply of SPV Solar pump-set and installation, as per contract agreement executed between Supplier & Purchaser. Name and address of beneficiary, location, completion time for supply and installation etc. shall be specified in the final sanction order.						
4.2	Sum total of quantity of Pump-sets of a particular category for which final sanction orders has been placed by all the District Engineers shall not exceed the quantity for which contract agreement executed by the supplier and Performance Bank guarantee pledge at any point of time.						
5.	Payment of Beneficiary share: Beneficiary shall deposit their share, in the form of bank draft in favour of the respective supplier to the District Engineer, After supply of Pump-sets; the District Engineers shall submit the bank drafts of beneficiary shares to the suppliers along with a cover letter with a copy to the purchaser.						
6	Payment of Govt. share as final Payment: District Engineer shall submit claims to the purchaser, in prescribed format for release of Govt. share (subsidy amount) against SPV solar Pump-set. For releasing of Govt. share by the purchaser, the Supplier shall produce the following particulars through the respective District Engineers: i) Tax invoice in triplicate duly countersigned by respective District Engineer along with delivery challan signed by the beneficiary; ii) Completion certificate jointly signed by Beneficiary, Supplier (or his representative) and technical Personal entrusted by the respective District Engineer and countersigned by the respective District Engineer; iii) Coloured photograph(s) of SPV Pump-set in presence of beneficiary, duly certified by the respective District Engineer. If fundable amount will not be parked at ASFAC then claim/Bill/MB against installation and commissioning of SPV from District Engineer will be submitted to Govt. for accordance of FS and FOC. After getting FS/FOC. The claim/Bill will be submitted to T.O Dispur for release of payment (subsidy amount to the supplier)						
7	Release of Performance Bank Guarantee: Performance Bank Guarantee, which has been submitted in the form of Fixed deposit Receipt/Bank Guarantee shall be released on fulfilment of each of the following conditions: a) Successful completion of warranty obligation period of one year with effect from the date of delivery of the pump-sets b) Submission of certificate signed by District Engineers, confirming that the Pump-sets are working satisfactorily on completion of warranty obligation period of one year.						
8.	Taxes and Duties Supplier shall be entirely responsible for all taxes, duties, license fees, etc, incurred until completion of contract. However, tax shall be as per prevailing rule of the Taxation Authorities of the Government and the purchaser shall deduct the taxes at the time of payment (as applicable)						

Recovery of dues:

Purchaser shall recover/adjust LD/penalty from any payments due to the supplier. If recovery/adjustment are not possible from payments due, the same shall be done through PBG against the work order concerned. If recovery /adjustment of LD/penalty are not possible from payments due to PBG, the same shall be done through Bid security of the Bidder/Supplier.

In case any PBG or Bid security is utilized, partly or fully, towards recovery/adjustment of LD/penalty, the same shall be replenished to its original value and validity period within 15 days of written communication on the behalf of supplier, failing which the Supplier shall become Ineligible for further work, work orders being given under the contract.

Annexure - E

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1260

No.32/24/2020- SPV Division
Government of India
Ministry of New & Renewable Energy

Atal Akshay Urja Bhawan
Lodhi Road, New Delhi
Date: 04.09.2023

Order

Subject: Issuance of Benchmark Cost for Off-Grid Solar PV Water Pumping System and Grid-connected Individual Agriculture Pumps -Reg

The undersigned is directed to convey the approval of competent authority for issuing the benchmark cost without GST for Off-Grid Solar PV Water Pumping System and Grid-connected Individual Agriculture Pumps in the schemes of MNRE. System-wise benchmark costs are as under:

(i) Off-Grid Solar PV Water Pumping System (without UPSC)

Pump Capacity	Benchmark Costs (Rs./Pump) without GST*	
	General States/UTs	NER/Hilly States & UTs/ Islands
1 HP	1,04,076	1,15,003
2 HP	1,28,117	1,39,124
3 HP	1,67,419	1,79,796
5 HP	2,57,909	2,77,842
7.5 HP	3,49,566	3,76,745
10 HP	4,45,483	4,81,622

*Cost of Off-Grid Solar PV Water Pumping System as per MNRE specifications including remote monitoring

(ii) Grid Connected Individual Agriculture Pumps

Capacity	Above 1 kW to 3 kW	Above 3 kW to 6 kW	Above 6 kW to 10 kW
Benchmark cost (Rs /kW) without GST [#]	51,003	44,702	43,975

[#]cost of solarization (Rs/kW) as per MNRE specifications including remote monitoring

[Signature]

2. The above-mentioned benchmark cost is applicable from the date of issuance of the order. In all cases where LoA (first LoA in case of multiple LoAs under same sanction) is placed after the issuance of this order, the above specific benchmark cost will be applicable. All the above benchmark cost are inclusive of total cost of the system as per MNRE specifications and its installation, commissioning, transportation, insurance, warranty/guarantee, monitoring, and maintenance for 5 year.

This is with the approval of Competent Authority.

Nikhil Gakkhar
4/5/23
(Dr. Nikhil Gakkhar)
Scientist 'C'
011-20849115

To,

All concerned