

Rate Contract

for

**Solar Water Pumping System for Lift Irrigation
with Five years warranty & Maintenance in the state of
Rajasthan**

**SANITATION, WATER AND COMMUNITY HEALTH PROJECT
(SWACH PROJECT)**

OFFICE OF THE DIRECTOR SWACH PROJECT, UDAIPUR

Badi Road, Hawala Khurd, Udaipur, Rajasthan, India

web. swachudr.com, email: swachhoudaipur@gmail.com

DETAILED NOTICE INVITING e-TENDER 01/2018-19

DIRECTOR, SWACH Project, Udaipur (Rajasthan) invites e-Bid single stage two-envelopes Technical Bid (2 cover i.e. Fees and Technical Proposal) and Financial Bid (2 cover i.e. BoQ and PDF Format) unconditional competitive e-bids from the eligible bidders for **“Supply, installation and commissioning of Solar Water Pumping system for Lift Irrigation with 5 years warranty and maintenance”**. The bid shall only be submitted through online tendering system of www.eproc.rajasthan.gov.in. The schedule of dates is as follows:-

Nature of the Item/Work	Supply, installation and commissioning of Solar Water Pumping system for Lift Irrigation with 5 years warranty and maintenance on Rate contract Basis for Period of one Year.
Cost of Tender Document (non-refundable)	Rs. 1,000/- (Rupees One Thousand Only) pay by DD in favour of "DIRECTOR, SWACH PROJECT, UDAIPUR"
Processing Fees (non-refundable)	Rs. 1,000/- (Rupees One Thousand Only) pay by DD in favour of M.D RISL Jaipur payable at Jaipur
Estimated cost of Item/Work	16.80 Crore
Estimated no. of Solar Photovoltaic (SPV) Pump	112 set
Bid Security and Mode of Payment	<ul style="list-style-type: none">• Amount (INR): Rs. 33.60 Lacs [2% of the estimated procurement cost].• Mode of Payment: DD/BC/BG
Publishing Date & Time	04.04.2018 at Time : 4:00 P.M.
Document download Start Date & Time	04.04.2018 at Time : 5:00 P.M.
Date, Time & venue of Pre-bid Meeting	12.04.2018 at Time : 11:00 A.M. (Office Of The DIRECTOR, SWACH Project, Udaipur Rajasthan)
Bid Submission Start Date & Time	13.04.2018 at Time : 5:00 P.M.
Document download End Date & Time	24.04.2018 at Time : 1:00 P.M.
Bid Submission End Date & Time	24.04.2018 at Time : 3:00 P.M.
Submission of Demand Draft of Tender Cost, Processing Fees and Earnest Money*.	24.04.2018 at Time : 3:00 P.M. (Office Of The DIRECTOR, SWACH Project, Udaipur Rajasthan)
Technical Bid Opening Date & Time	24.04.2018 at Time : 4:00 P.M.
Date & time of opening of Financial bids	Will be intimated after decision of Technically qualified bidders.

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Websites for downloading Tender Document, Corrigendum's, Addendums etc.	http://sppp.rajasthan.gov.in http://eproc.rajasthan.gov.in
Bid Validity	180 Days from the date of bid submission deadline date
Supply & Commissioning Period	I. Time of Supply within 45 days after issuance of work order II. Commissioning of facilities within 60 days of supply
Location of work sites	Sanctioned work sites in Udaipur, Dungarpur, Banswara and Pratapgarh districts, Rajasthan.
<p>* In case any bidder fails to submit the original Demand Draft of Tender Cost & Processing Fees and Earnest Money up to 03:00 PM on Date 24.04.2018 the Technical Bid of the bidder shall not be opened. For the processing fees the Demand Draft should be in favour of Managing Director, RajCOMP Info Services Limited, Jaipur & Bank Draft of Tender Fee and EMD/Bid Security in favour of DIRECTOR, SWACH Project, Udaipur and Payable At Udaipur Branch. All the documents are to be submitted at Office of DIRECTOR, SWACH Project, Udaipur.</p>	
<p>Note: The procuring entity reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids without assigning any reason, at any time prior to contract award, without thereby incurring any liability to the bidders.</p>	

Project Manager
SWACH

OFFICE OF THE DIRECTOR SWACH PROJECT, UDAIPUR

Badi Road, Hawala Khurd, Udaipur, Rajasthan, India

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Contents of Bidding Document

S.No.	Contents	Page No.
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(I) Instructions to Bidders for supply, installation and commissioning of Solar Photovoltaic (SPV) Pump

1.	Scope of Bid	1.1	In support of e-Bid published by DIRECTOR SWACH PROJECT, UDAIPUR for supply, installation and commissioning of Solar Photovoltaic (SPV) Pump at different selected works sites Districts Udaipur, Dungarpur, Banswara and Pratapgarh of Rajasthan.
		1.2	The successful bidder manufacturing firm will be expected to commission the SPV pump within stipulated time.
2.	Bid submission	2.1	The Bid proposals are to be submitted in electronic format on www.eproc.rajasthan.gov.in
3.	Eligible Bidders	3.1	A Bidder should be a indigenous manufacturer of solar PV module/panel or its authorized partner with an experience of at least 2 years in the SPV field. (Bidder in case of participation other than manufacturer, they will submit authorization towards participation against this tender) The Financial cumulative turnover should be total minimum value of 10 crore or more in previous three Financial years.
		3.2	Bidders shall provide such evidence of their eligibility as required hereinafter.
		3.3	For the purposes of this Clause, the term "material" includes the material/components required to supply and commissioning of Solar Photovoltaic (SPV) Pump as prescribed in this bid document.
4.	One bid per bidder and conflict of interest	4.1	One bidder shall submit only one bid. A bidder who submits or participates in more than one bid for a particular Work shall be disqualified.
		4.2	Bidders found to be in conflict of interest shall be disqualified.
5	Contents of Bidding Document	5.1	All bidders shall provide necessary documentary evidence for package.
		5.2	Bidders shall also provide in package, descriptions of proposed work methods and time schedules in sufficient detail including drawings and charts as necessary, to demonstrate the adequacy of the bidder's capacity to meet the quality of work, and the completion time. The bidder shall also provide sufficient details about the personnel to be engaged for both packages.
		5.3	In addition to the above, bids submitted by a private/public limited company shall comply with the following requirements:
		(a)	The submitted bid and the Form of Agreement, in case of successful bid, shall be signed/ electrically signed by an authorized representative of the bidder so as to be legally binding on the bidder.
		(b)	One of the representatives shall be authorized to be in charge and this authority shall be evidenced by submitting a power of attorney signed by legally authorized signatory(ies) of the company;

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		(c)	The lead representative shall be authorized to incur liabilities, receive payments and receive instructions for and on behalf of any or all representatives and the entire execution of the Contract including payment shall be done exclusively with the manufacturing firm; and the same shall be applicable to an authorized representative of a company.
		(d)	All representatives shall be liable jointly and severally for the execution of the Contract in accordance with the Contract terms, and a relevant statement to this effect shall be included.
6.	Contents of Bidding Documents	6.1	The bid document consists of single volume Vol I: 1. Instructions to bidders 2. scope of work 3. General conditions of Contract 4. Bid data sheet 5. Bidding forms 6. Financial Bid 7. Any other supporting document
		6.2	The Invitation for Bids issued by the DIRECTOR SWACH, Udaipur shall be a part of the Bidding Document.
		6.3	The DIRECTOR SWACH Udaipur is not responsible for incomplete Bidding Document and is addenda if they had not been obtained directly form the SWACH, Udaipur.
		6.4	Failure to furnish all information or documentation required in Bidding Documents may result in the rejection of the Bid.
7.	Clarification of Bidding Document	7.1	A prospective Bidder requiring any clarification of the Bidding Document shall contact the DIRECTOR SWACH, Udaipur in writing at DIRECTOR SWACH, Udaipur address indicated in the Bid and this Bid Document.
8.	Amendment of Bidding Document	8.1	At any time, not being less than 3 days prior to the deadline for submission of the Bids, DIRECTOR SWACH may amend the Bidding Document by issuing addenda/ corrigenda.
		8.2	Any addenda/ corrigenda issued shall be part of the Bidding Document and shall be communicated online on website www.swachudr.com
		8.3	To give prospective Bidders reasonable time in which to take any addendum/ corrigendum into account in preparing their Bids, DIRECTOR SWACH, Udaipur may, at its discretion, extend the deadline for the submission of the Bids, and may also make changes in the time schedules prescribed elsewhere in this document.
9.	Cost of Bidding	9.1	The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the DIRECTOR SWACH, Udaipur shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

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10.	Language of Bid	10.1	The Bid, as well as all correspondence and documents relating Language of Bid to the Bid exchanged by the Bidder and the DIRECTOR SWACH, Udaipur preferably written in the English language.
11.	Document comprising the Bid	11.1	The bid shall be submitted as follows: The Bid proposals are to be submitted only online in electronic form on website www.eproc.rajasthan.gov.com . It contains 4 covers/ parts. Contents of each part shall be as follows (submit in the same order):
		(a)	Cover/ Part I (Technical bid I) The Bid documents cost Rs. 1000 only in form of DD in favour of DIRECTOR SWACH Project Udaipur that will be non refundable. The processing cost of Rs 1000/- only in form of DD in favour of MD RISL Jaipur. Bid Security in favour of DIRECTOR, SWACH Project Udaipur for an amount of Rs 33.60 Lacs, only in form DD/Bank guarantee (Valid for One year). By a reputed International Bank or an Indian Scheduled Bank acceptable to SWACH. Note :-Original DD'S/ BG Should be submitted physically to The DIRECTOR, SWACH Project Udaipur
		(b)	Cover/ Part II (Technical bid II) 1. Bid Forms for Technical Proposal (ALL FORMATS) Power of Attorney, if required 2. Technical specification for Solar Photovoltaic (SPV) Pump/ panel . 3. Maintenance and after sales services network in District Udaipur, Dungarpur, Banswara and Pratapgarh of Rajasthan. 4. Bidder Checklist & other formats provided later in this tender document. 5. Drawings/ charts/Circuit diagram and any other material required to be submitted or the bidder may wish to submit to fulfil the bid requirement. Cover/ Part III (Financial bid I) 1. Financial Proposal Submission Sheet, i.e. BOQ xls format Cover/ Part IV (Financial bid II) 1. Financial Proposal Submission Sheet, i.e. PDF Format 2. Any other document specified in this Bid Document.
		11.2	As a first step, at the pre-announced time and date, Cover/ Part 'I' will be opened online for each participating bidder to make sure that the bidder has furnished Bid cost and Security. Consequently eligible proposals will be processed for Cover/ part II to ensure Sales Tax Clearance Certificate, technical qualification, etc. The Technical Proposals shall be evaluated first by the DIRECTOR SWACH, Udaipur. No amendments or changes to the Technical Proposals would be permitted after submission. Bids with Technical Proposals which do not conform to the specified requirements shall be rejected as deficient Bids and shall be rejected.

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		11.3	Price Proposals of technically compliant Bids shall be opened at a date and time advised by the DIRECTOR SWACH, Udaipur. The Price Proposals shall be evaluated as prescribed and the task shall be awarded either to the Bidder whose Bid is determined to be the lowest evaluated substantially responsive Bid for Package or the eligible company will be empanelled to perform the task.
		11.4	The Price Proposal shall contain the following:
		(a)	Price Proposal Submission Sheet, i.e. Form of Bid completed in full compliance with clause 13
		(b)	Any other document required.
12	Bid Submission Sheets	12.1	The Bidder shall submit the Technical Proposal and the Price Propose using the appropriate Bidding Forms. These forms must be completed without any alterations to their format, and no substitutes shall be accepted. All bank spaces shall be filled in with the information requested.
13	Bid Prices and Discounts	13.1	The DIRECTOR SWACH shall endeavour to award the contract/task either to a single firm for the whole work of each item as described in the package or more then one Bidder/firm.
		13.2	The bidder shall quote rates clearly and no alterations or additions shall be made to the Schedule by the bidder.
		13.3	All duties, taxes and other levies etc. payable by the bidder under the Contract, or for any other cause, shall be included in the rates and prices and the total bid price submitted by the bidder.
		13.4	The rates and prices quoted by the bidder shall remain fixed and valid for the duration of the contract and would not be subject to variation on any account.
14	Currency of Bid and Payment	14.1	The unit rates and prices quoted by the bidder shall remain fixed and valid for the duration of the contract and would not be subject to variation on any account.
15	Period of Validity of Bids	15.1	Bids shall remain valid for a period of 180 days after the bid submission deadline date prescribed by the DIRECTOR SWACH, Udaipur
		15.2	In exceptional circumstances, prior to the expiry of the bid validity period, DIRECTOR SWACH, Udaipur may request bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. The bids. Security shall also be extended for the corresponding period. A Bidder may refuse to concede to the request to extend validity of his Bid without forfeiting his Bid Security.
16	Pre-bid Meeting	16.1	The meeting will be held on 12.04.2018 and the Final bid document would incorporate the acceptable suggestions to be received during the conference.

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17	Signing of Bid	17.1	The signatory Authority shall electronically sign all pages of the Technical Proposal and Financial Proposal submitted by him.
		17.2	Supporting documents shall be submitted in the following manner:
		(a)	The Bidder shall prepare one set of support documents for technical proposals and submit online the same as "TECHNICAL PROPOSAL"
		(b)	The bidder shall also prepare one set of support documents for financial proposals and submit online the same as "FINANCIAL PROPOSAL"
		(C)	The Bid proposals and documents should be uploaded in order as envisaged.
		17.3	The bid shall contain no alternations, omissions or additions, except in accordance with instructions issued by the DIRECTOR SWACH, Udaipur
		17.4	The Bidder shall furnish information requested in the price proposal.
18.	Submission of Bids	18.1	The Bid proposals will be submitted online at the prescribed site. The interested firm should be well acquainted with e-procurement process & DSC.
19	Deadline for submission of Bids	19.1	24.04.2018 till 03.00 pm in favour of the DIRECTOR, SWACH PROJECT, UDAIPUR
		19.2	The DIRECTOR SWACH, Udaipur may at its discretion, extend the deadline for submission of bids by issuing an addendum, in which case all rights and obligations of the SWACH, Udaipur and the bids previously subject to the original deadline shall thereafter be subject to the deadline as extended.
20	Withdrawal, Substitution, and Modification of Bids	20.1	The bidders should well acquaint with the process of e-tendering on eproc.rajasthan.gov.in e-email – swachhoudaipur @gmail.com
21	Bid Opening	21.1	The Bid opening shall take place on the date and time specified in the Bid Document.
		21.2	The time and date of the Bid opening of the price proposals shall be as herein after notified.
		21.3	First, technical bid shall be opened
		21.4	The bid with required fees and security will be accepted and deficit will be rejected at this stage.
		21.5	Next the eligible proposals will be processed for technical bid opening.
		21.6	All the technical proposals will be evaluated by SWACH.

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		21.7	Next, the eligible proposals will be processed for part technical bidopening.
		21.8	the Financial proposals shall be opened only of those bidders who have been found to satisfactorily furnish technical. At the end of the evaluation fo the Technical Proposals, the DIRECTOR SWACH, Udaipur will decide to open the bids which have substantially responsive Technical Proposals and who have been determined as being qualified for award for opening of the Price Proposals. The time and date of the Bid opening of the price proposals is being notified in this document. Any change in the already annunced programme for opening of Financial bids shall be notified by the SWACH, Udaipur . The change can be only for a later date.
		21.9	The SWACH, UDAIPUR shall conduct the opening of Price Porposals of all Bidders who submitted substantially responsive Technical Proposals, date and time specified by the DIRECTOR SWACH, Udaipur
22	Confidentiality	22.1	Information relating to the examination, evaluation and comparison of Bids, and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until information on task sward is communicated to all Bidders.
		22.2	Any attempt by a bidder to influence the DIRECTOR SWACH, Udaipur in the examination, evaluation, and comparison of the Bids or contract award decsions may result in the rejection of his Bid.
23	Clarification of Bids	23.1	To assist in the examination, evaluation, comparision and post qualification of the Bids, the DIRECTOR SWACH Udaipur may at its discretion ask any Bidder for a clarification fo its Bid.
		23.2	Subject to Sub Clause 23.1 no bidder shall contact the DIRECTOR SWACH , Udaipur on any matter relating to its bid form the time of the bid opening to the time the Contract is awarded. If the bidder wishes to bring additional information to the notice of the DIRECTOR SWACH, Udaipur it should do so in writing. It will be at the discretion of DIRECTOR SWACH, Udaipur to entertain or not to entertain such additional information voluntarily furnished by the bidder.
24	Preliminary Examination of Bids & Responsiveness of Technical Proposal	24.1	Prior to the detailed evaluation fo Technical bids, the DIRECTOR SWACH Udaipur will dertermine whether each bid (i) meets the eligibility criteria; (ii) has been properly submitted with required documents (iii) is accompanied by the required securities (iv) is substantially responsive to the requirement of the bidding documents For the purpose of eligibility Turn Over will be taken care of.
		24.2	The DIRECTOR SWACH, Udaipur determination of the responsiveness of a Technical Proposal shall be based on the contents of the Technicla Proposal itself.

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		24.3	A substantially responsive Technical proposal is one which conforms to all the terms conditions and specifications of the bidding documents.
		24.4	If a Technical Proposal is not substantially responsive it will be rejected by the DIRECTOR SWACH, UDAIPUR Conditional bids would be deemed to be not substantially responsive, and shall be rejected by the DIRECTOR SWACH. DIRECTOR SWACH reserves the right to consider even a single substantially responsive bid after the approval of its executive committee.
25	Non Conformities, Errors, and Omissions	25.1	Provided that if a Technical Proposal is substantially responsive, the DIRECTOR SWACH, UDAIPUR may waive any non-conformity or omission in the bid that does not constitute a material deviation.
		25.2	Provided that a Technical Proposal is substantially responsive the DIRECTOR SWACH, UDAIPUR may request that the bidder submits the necessary information or documentation within a reasonable period of time to rectify non material non conformities or omissions in the Technical Proposal related to documentation requirements. Such omission shall not be related to any aspect of the Price proposal of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
		25.3	Provided that the Technical Proposal is substantially responsive, the DIRECTOR SWACH, PROJECT will correct arithmetical errors during evaluation of Price Proposals on the following basis:
		(a)	When there is a difference between the rates in figures and words, lower of the two rates shall be taken as correct rate
		(b)	When the rate quoted by the bidder in figures and words tallies, but the amount is not worked out correctly, the rate quoted by the bidder shall be taken as correct and not the amount as worked out.
		25.4	The amount stated in the Form of Bid would be adjusted by the DIRECTOR SWACH, Udaipur in accordance with the above procedure for the correction of errors and shall be considered as binding upon the bidder. If the bidder does not accept the corrected amount of bid, his bid shall be rejected and the bid security shall be forfeited. A party not indicating its Turn Over and Financial data for at least three preceding years shall be disqualified.
26	Examination of Terms and conditions	26.1	The DIRECTOR SWACH, Project shall examine the Bids to confirm that the Bidder without any material deviation or reservation has accepted all terms and conditions.

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		26.2	The DIRECTOR SWACH, Project shall evaluate the technical aspects of the Bid submitted in accordance with this Bid Document to confirm that all requirements specified in Scope of Work of the bidding document have been met without any material deviation or reservation.
		26.3	If after the examination of the terms and conditions nadhte technical evaluation the DIRECTOR SWACH, Udaipur determines that the Technicla Proposal is not substantially responsive in accordance with Clause 24 I shall reject the Bid.
27	Technical Evaluation & Comparison of Price Proposals	27.1	The DIRECTOR SWACH Udaipur will evaluate and compare the Price Proposal of each bid determined to be substantially Technically responsive in accordance with Clause 24 and qualified for award of contract in accordance with Clause 5.
		(a)	Like the opening of Technical Proposal, following the opening of Price Proposals, the DIRECTOR SWACH Udaipur shall examine the Price Proposals to confirm that all documents and financial documentation requested in sub- clause 11.4 have been provided and to determine the completeness of each document submitted.
		(b)	In evaluating the bids, the DIRECTOR SWACH Udaipur will determine for each bid the Evaluated Bid Price by adjusting the bid price as follows: a) Making any correction for errors pursuant to Clause 25;
			b) Making an appropriate adjustment for any other acceptable variations, deviations or alternative offers submitted.
		27.2	The DIRECTOR SWACH, Udaipur reserves the right to accept or reject any variation/deviation. Any variations/ deviations and other factors which are in excess of the requirements of the bidding documents or otherwise result in the accrual of unsolicited benefits to the DIRECTOR SWACH, Udaipur shall not be taken into account in the bid evaluation.
		27.3	The DIRECTOR SWACH, Udaipur shall compare the evaluated Bid prices of all substantially responsive bids to determine the lowest evaluated Bid.
28	SWACH, Udaipur Rights to Accept Any Bid, and to Reject Any or All Bids	28.1	Notwithstanding Clause 28, THE DIRECTOR SWACH, Udaipur reserves the right to accept or reject any bid, and to annul the bidding process nad reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or nay obligation to inform the affected bidder or bidders of the grounds for the SWACH Udaipur action.
29	Award Criteria	29.1	Subject to the provisions of Clause 27 the DIRECTOR SWACH, Udaipur shall award the contract/task to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has offered the reasonable/lowest Evaluated Bid Price for this contract. The DIRECTOR SWACH may inspect the facilities before award the contract.

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30	Notification of Award	30.1	The bidder whose bid is found acceptable /eligible for contract shall be notified of the award by the SWACH, prior to the expiry of the bid validity period, though a Letter of Acceptance.
31	Signing of Agreement	31.1	Within 7 days following the notification of award along with the Letter of Acceptance the DIRECTOR SWACH, Udaipur shall send to the successful Bidder/firm a signed Agreement that incorporates all agreement between the DIRECTOR SWACH Udaipur and the successful Bidder.
		31.2	Within seven (7) days of receipt of the Agreement, the Successful Bidder shall sign, date and return the agreement to The DIRECTOR SWACH, Udaipur. Failure of the successful Bidder to sign the Agreement shall constitute sufficient ground for the annulment of the award and forfeiture of the Bid security.



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(II) Scope of work

II.1 General Project Information:

The information given here under and provided elsewhere in this document is given in good faith by the DIRECTOR SWACH, UDAIPUR but the bidder must satisfy himself regarding quantity and quality wise supply of Solar module/ panel, Solar Photovoltaic (SPV) Pump and GI support structure and all aspects commissioning of solar infrastructural facility and its warranty/guarantee for 5 years and no claim shall be entertained on the plea that the information supplied by the DIRECTOR SWACH, UDAIPUR is erroneous or insufficient.

II.2 Project Location

Looking to serve the purpose of lift irrigation, the project will be implemented at sanctioned work sites in districts Udaipur, Dungarpur, Banswara and Pratapgarh of Rajasthan.

II.3 SOLAR PUMPING SYSTEM

BILL OF MATERIAL

The Solar Pumping System will consist of the following items :

Bill of Quantity

Sr.No.	Particulars-Solar AC Monobloc Surface pump	Unit	Quantity
1	Solar AC Monobloc Surface pump 7.5 HP Suitable For Head Range 25m to 50m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty		
	A Solar AC Monobloc Surface pump 7.5 HP as per site conditions & Head		
	B Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(7.5 HP)		
	C Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (7.5 HP)		
	D Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E Cable + Connector perfectly matching with Solar AC Monobloc Surface pump (7.5 HP) (50 meter cable)		
	F HDPE Coil + Rope (50 meter each)		
	G Fencing for solar array as per site conditions covering area min 900 Sqm.		
2	H Installation and commissioning charges including transport up to work site		
	Solar AC Monobloc Surface pump 10 HP Suitable For Head Range 25m to 50m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty		
	A Solar AC Monobloc Surface pump 10 HP as per site conditions & Head		
	B Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(10 HP)		
	C Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (10 HP)		
	D Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E Cable + Connector perfectly matching with Solar AC Monobloc Surface		

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		pump (10 HP) (50 meter cable)		
	F	HDPE Coil + Rope (50 meter each)		
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.		
	H	Installation and commissioning charges including transport up to work site		
3		Solar AC Monoblock Surface pump 12.5 HP Suitable For Head Range 25m to 50m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty		
	A	Solar AC Monobloc Surface pump 12.5 HP as per site conditions & Head		
	B	Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(12.5 HP)		
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (12.5 HP)		
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E	Cable + Connector perfectly matching with Solar AC Monobloc Surface pump (12.5 HP) (50 meter cable)		
	F	HDPE Coil + Rope (50 meter each)		
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.		
4		Solar AC Monoblock Surface pump 15 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty		
	A	Solar AC Monobloc Surface pump 15 HP as per site conditions & Head		
	B	Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(15 HP)		
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (15 HP)		
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E	Cable + Connector perfectly matching with Solar AC Monobloc Surface pump (15 HP) (50 meter cable)		
	F	HDPE Coil + Rope (50 meter each)		
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.		
5		Solar AC Monoblock Surface pump 20 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty		
	A	Solar AC Monobloc Surface pump 20 HP as per site conditions & Head		
	B	Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(20 HP)		
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (20 HP)		
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E	Cable + Connector perfectly matching with Solar AC Monobloc Surface pump (20 HP) (50 meter cable)		
	F	HDPE Coil + Rope (50 meter each)		

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	G	Fencing for solar array as per site conditions covering area min 900 Sqm.		
	H	Installation and commissioning charges including transport up to work site		

Sr.No.		Particulars-Solar AC Submersible pump	Unit	Quantity
1		Solar AC Submersible pump 7.5 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty and Maintenance		
	A	Solar AC Submersible pump 7.5 HP as per site conditions & Head		
	B	Controller + VFD perfectly matching with Solar Submersible pump(7.5 HP)		
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(7.5 HP)		
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (7.5 HP) (50 meter cable)		
	F	HDPE Coil + Rope (50 meter each)		
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.		
	H	Installation and commissioning charges including transport up to work site		
2		Solar AC Submersible pump 10 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty		
	A	Solar AC Submersible pump 10 HP as per site conditions & Head		
	B	Controller + VFD perfectly matching with Solar Submersible pump(10 HP)		
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(10 HP)		
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (10 HP) (50 meter cable)		
	F	HDPE Coil + Rope (50 meter each)		
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.		
	H	Installation and commissioning charges including transport up to work site		
3		Solar Submersible pump 12.5 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty		
	A	Solar AC Submersible pump 12.5 HP as per site conditions & Head		
	B	Controller + VFD perfectly matching with Solar Submersible pump(12.5 HP)		
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(12.5 HP)		
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (12.5 HP) (50 meter cable)		

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	F	HDPE Coil + Rope (50 meter each)		
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.		
	H	Installation and commissioning charges including transport up to work site		
		Solar Submersible pump 15 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty		
	A	Solar AC Submersible pump 15 HP as per site conditions & Head		
	B	Controller + VFD perfectly matching with Solar Submersible pump(15 HP)		
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(15 HP)		
4	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (15 HP) (50 meter cable)		
	F	HDPE Coil + Rope (50 meter each)		
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.		
	H	Installation and commissioning charges including transport up to work site		
		Solar Submersible pump 20 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty		
	A	Solar AC Submersible pump 20 HP as per site conditions & Head		
	B	Controller + VFD perfectly matching with Solar Submersible pump (20 HP)		
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(20 HP)		
5	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.		
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (20 HP) (50 meter cable)		
	F	HDPE Coil + Rope (50 meter each)		
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.		
	H	Installation and commissioning charges including transport up to work site		

SPECIFICATIONS FOR ITEMS MENTIONED in BOM above

1 AC Monobloc surface/submersible pump 7.5/10/12.5/15 HP

The pump should be surface monobloc/submersible type

Rating of pump should be Solar AC Monobloc Surface/Submersible pump (7.5/10/12.5/15 HP).

Pump should be AC powered (3 phase, Nominal 320/380/415voltage, 50hz).

1. The mono block ./ AC centrifugal motor pump set with the impeller mounted directly on the motor shaft and with appropriate mechanical seals which ensures zero leakage.
2. The motor of the capacity ranging 10 hp should be AC type. The suction and delivery head will depend on the site specific condition of the field.

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3. Submersible pumps could also be used according to the dynamic head of the site at which the pump is to be used.
4. It is recommended that all parts of the pump and the motor of the submersible pumps should be made of stainless steel. - The bidders of pumps should self certify that, the pump and all external parts of motor used in submersible pump which are in contact with water, are of stainless steel. The pumps used for solar application should have a 5 years warranty so it is essential that the construction of the pump be made using parts which have a much higher durability and do not need replacement or corrode for at least 5 years.
5. The following details should be marked indelibly on the motor pump set
 - a) Name of the Manufacturer or Distinctive Logo.
 - b) Model Number.
 - c) Serial Number.

2 Controller + VFD : perfectly matched with Solar AC Monobloc Surface/Submersible pump(7.5/10/12.5/15 HP)

The solar pumping controller should have Solar MPPT technology for maximum power point tracking from solar panels input.

The pumping controller should have automatic on and off feature, so that it switches on in morning automatically based on availability of sufficient sunlight and then it should switch off in evening. It should be VFD type 3 ph, 50 hz type

It should be suitable for running AC monobloc surface pump/submersible pump continuous operation of required capacity.

It should be Dust, water and vermin proof type.

It should have SP device for protection.

It should have short-circuit protections on incoming and outgoing sides.

All cable incoming and outgoing to be through cable glands only.

3 Solar Photovoltaic Modules:

The PV modules used should be from Indian manufacturers only.

The Photovoltaic modules must be tested & certified by MNRE Authorised/approved test units/center labs to following IEC standards IEC 61215 and IEC 61730 and Safety Class II. Necessary certificates should be enclosed.

The modules should be of Mono-crystalline/polycrystalline technology made with adequate number of PV cells to produce desired output.

The module efficiency should be 15.2% or greater and it should have a fill factor of 0.7 or higher.

Each module should be of **250Wp or higher Wattage**.

The Front glass should be of 3.2mm or higher thickness tempered glass.

The frame should be of Anodized Aluminum of minimum 45 mm thickness or higher.

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It should have a Junction box at back with in-built bypass diodes and of dust , water proof IP 65 type. It should have solar cable leads with MC4 compatible connectors.

Only positive power tolerance modules shall be supplied. No negative tolerance modules to be used.

The solar module should have a power temperature coefficient of less than $-0.40\% / ^\circ\text{C}$.

The module shall have product quality warranty of 5 years and power output warranty of 25 years with maximum 80% degradation during 25 years.

Each PV module used in any solar power project must use a RF Identification Tag (RFID). The RFID can be inside or outside the module laminated, but must be able to withstand harsh environmental conditions. It must contain the following Information;

- I. Name of the manufacturer of PV Modules and solar cells
- II. Month and year of the manufacturer (separately for solar cells and modules.
- III. I-V Curve for the module
- IV. Peak wattage, I_m , V_m , V_{oc} , I_{sc} and FF for the module.
- V. Unique Serial No and Model No of the Module
- VI. Date and year of obtaining IEC PV module qualification certificate.
- VII. Name of the test lab issuing IEC certificate

4 Solar Mounting Array Structure:

The PV modules should be mounted on metallic structures of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour. The support structure used in the pumping system should be hot dip galvanized iron with minimum 80 micron thickness.

To enhance the performance of SPV water pumping systems, manual tracking system must be used. For manual tracking, arrangement for seasonal tilt angle adjustment and three times manual tracking in a day should be provided.

The structure design (along with the civil work) declared by the bidder should technically be full proof/ sufficiently strong against the prevailing wind load. The manufacturing firm will be fully responsible for any damages caused by high wind velocity within guarantee period. Structural design and drawing should be duly approved/ recognised by any Engineering Institute/chartered engineer for this project. The parameters of prevailing wind speed, soil conditions, load and upward lift should be taken care of while preparing the design and the same is required to be mentioned on design.

However, bidder/ supplier shall ensure that mounting structure is efficient, strong enough to sustain load and is capable against high wind velocity.

5 Cables and Connections

Conductor cable used from Solar panel to solar pumping controller should be of Solar Photovoltaic type with approval from any reputed organization namely. The cable should be of minimum 4 sq. Mm. Conductor cross section.

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MC4 compatible solar connectors to be used for cables from Solar panels to Solar controller + VFD.

3 core copper wires / cables to be used from Pumping controller to pump should be approved by IEC / ISI standards.

All connections should be properly terminated, soldered and/or sealed from outdoor and indoor elements.

6 HDPE Coil + Rope

Suitable HDPE coil to be provided to match exactly with the suction and discharge heads of surface monobloc pump.

7 Fencing solar for array site

Fencing for the solar PV module array site to ensure that it is not harmed by animals.

The fencing to be of height 5 feet from ground level and to be of barbed wire type fencing with necessary masonry support as required.

8. ELECTRONICS AND PROTECTIONS

1. Maximum Power Point Tracker (MPPT) should be included to optimally use the Solar panel and maximize the water discharge.
2. Inverter could be used, if required, to operate an A.C. Pump.
3. The inverter must have IP 54 protection or must be housed in a cabinet having at least IP54 protection.
4. Controller for motor driven pumps, if required be used. The controller must have IP 54 protection or must be housed in a cabinet having at least IP 54 protection.
5. Adequate protections should be incorporated against dry operation of motor pump set, lightning, hails and storms. Full protection against open circuit, accidental short circuit and reverse polarity should be provided.

9. PERFORMANCE SPECIFICATIONS AND WARRANTY

The PV Modules must be warranted for output wattage, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years. The whole system including submersible/ surface pumps shall be warranted for 5 years. Required Spares for trouble free operation during the Warrantee period should be provided along with the system.

10. NOTES

1. Wherever the "Water table" or the level of water in the reservoir or the water source from which the water is to be pumped, is within 10 metres depth, 'Surface Motor Pump sets' should be preferred.
2. The type of pump set used must match the total dynamic head requirement of the site (i.e. the location at which it is installed). Moreover, it should be appropriately tested and certified by the authorized test centres of the Ministry to meet the performance and water discharge norms specified agency under the test code.

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3. The beneficiary may select an appropriate Model (i. e. Capacity of PV Array and Type of Motor Pump Set) as per site requirement.

11. Installation and commissioning

Vendor will have to ensure complete installation and commissioning of the solar pumping system. Any accessories or remaining items required for successful commissioning of solar pumping system will be in scope of vendor.

All civil works related to installation of solar panels will be in vendor scope.

1 number of Earthing pit (Chemical type) will have to be made by vendor at site.

The transportation to the site will be responsibility of vendor.

a. Time of Supply:

Within 45 days after issuance of work order

b. Quantum of work:

Approx 112 sets of pumping systems of 7.5/10/12.5/15/20 Hp.

c. Locations:

Sanctioned work sites in Udaipur, Dungarpur, Banswara and Pratapgarh districts, Rajasthan.

II.3.2 Commissioning of solar infrastructural facility and its warranty & Maintenance for 5 years

1. Time of Commissioning:

Within 60 days after supply.

Applicable IEC/equivalent BIS Standard

Item/component PV Modules	Standard Description	Standard Number
Crystalline Silicon Terrestrial PV Modules	Must conform to the latest edition of IEC/equivalent BIS Standards for module design qualification and type approval.	IEC 61215 IEC 61730 Part 1 & 2 IEC 61415/IS14286
Power Conditioners/Inverter s *	EFFICIENCY Measurements Environmental Testing	IEC 61683, IEC 60068 2
Charge controller/MPPT Units **	Design Qualification Environmental Testing	IEC 61093, IEC 60068 2 (6,21,27,30,75,78)
Cables	General Test and Measuring Methods PVC insulated cables for working Voltages up to and including 1100 V- Do, UV resistant for outdoor installation	IEC 60189 IS 694/IS 1554 IS/IEC 69947
Breakers/Connectors	Connectors-safety	I,II,III
Junction Boxes/Enclosure	General Requirements	IP 65 (for outdoor)/IP 21 (for indoor) IEC 62208
SPV System Design	PV Stand-alone System design verification	IEC 62124

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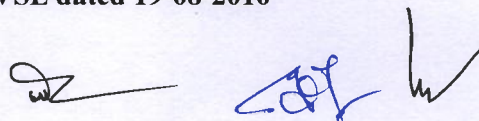
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Installation Practices	Electrical installation of buildings Requirements for SPV power supply systems.	IEC 60364-7-712
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*** Must additionally conform to the relevant national/international Electrical Safety Standards.**

**** Also refer Addendum No. 32/49/2010-11-PVSE dated 19-08-2010**



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(III) General Conditions of Contract

III.1. Definitions

Acceptance is the date when the Contract came into existence upon receipt by the Contractor of the **Letter of Acceptance** issued by the DIRECTOR SWACH.

The **Contract** is between the DIRECTOR SWACH and the Contractor.

The **Contractor** is a person or Manufacturer or a company/ firm, Government owned entity or any combination of them whose bid to carry out the Works has been accepted by the DIRECTOR SWACH.

The **Contractor's Bid** is the completed bidding document submitted by the Contractor to the DIRECTOR SWACH.

The **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; **Weeks** are calendar weeks; **Months** are calendar months. The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the supply and commissioning solar pumping system. The Intended Completion Date is specified in the EOI. The Intended Completion Date may be revised only by the DIRECTOR SWACH by issuing an extension of time.

The **Notice to Proceed** is the notice issued by the DIRECTOR SWACH to the Contractor to proceed with the works.

The term **DIRECTOR SWACH**, normally refers to the DIRECTOR, SWACH and any Committee or body formed by him for the purpose of the works under this Contract.

III.2. Payment Terms:

1. The prices should be quoted inclusive of component/ material wise and number wise cost, construction/installation/maintenance charges, all handling, packaging, transportation and insurance charges to the point of execution. The payment shall be made in three stages.

1. First Stage: 50% on the arrival material at prescribed site.
2. Second Stage: 40% after successful completion of the work and verification by the committee nominated by SWACH.
3. Third Stage: Balance 10%, after one month from the date of successful commissioning and completion of the work.

Note:- Every stage of payment shall be released after received satisfactory report of inspection party.

In case if the firm fails to comply.

2. The time successful for delivery and completion of work in the contract tender shall be deemed to be the essence of the contract and the successful manufacturer(s) shall arrange supplies & complete work within the period on receipt of order from the department/ DIRECTOR SWACH.

3. Should the successful manufacturer(s)/Bidder fail to complete the work in the period specified in the authorization letter/ contract, the DIRECTOR SWACH may

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at its discretion allow an extension in time of completion, subject to recovery from the manufacturer an agreed liquidated damages and not by way of penalty, a sum equal to the following percentage of the value of the systems which manufacturer has failed to supply for period of delay as stated below :

- i. Delay up to one fourth period of the prescribed delivery period - 2.5%. ii.
 - ii. Delay exceeding one fourth but not exceeding half of the prescribed delivery period - 5%.
 - iii. Delay exceeding half but not exceeding three fourth of the prescribed delivery period - 7.5%.
 - iv. Delay exceeding three fourth but not exceeds the period equal to the prescribed delivery period - 10%.
- 1- Fraction of a day in reckoning the period of delay in supply shall be eliminated if it is less than half a day.
 - 2- The maximum amount of agreed liquidated damages shall be 10%.
 - 3- If the supplier requires an extension of time in completion of contractual supply on account of occurrence for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.
 - 4- Delivery period may be extended with or without liquidated damages if the delay in supply of goods is on account of hindrances beyond the control of the bidder.
 - 5- Penalty on delayed commissioning will be deducted on final payment.
4. No Price escalation on account of any statutory increase in or fresh imposition of customs duty, excise duty, sales tax or duty leviable in respect of the systems authorised to be installed shall be application. But the benefit on account of decrease in these shall be available by The DIRECTOR SWACH if accrued during the stipulated/ extended delivery period.

III.3. Performance Security

a) Prior to execution of agreement, Performance security shall be solicited from all successful bidders except the departments of the State Government and undertakings, corporations, autonomous bodies, registered societies, co-operative societies which are owned or controlled or managed by the State Government and undertakings of the Central Government. However, a performance security declaration shall be taken from them. The State Government may relax the provision of performance security in particular procurement or any class of procurement.

b) The amount of performance security shall be 5% of the amount of total project cost.

c) Performance security shall be furnished in any one of the following forms: -

Bank Draft or Banker's Cheque of a scheduled bank;

National Savings Certificates and any other script/ instrument under National Savings Schemes for promotion of small savings issued by a Post Office in Rajasthan, if the same can be pledged under the relevant rules. They shall be accepted at their surrender value at the time of bid and formally transferred in the name of procuring entity with the approval of Head Post Master;

Bank guarantee/s of a scheduled bank. It shall be got verified from the issuing bank. Other conditions regarding bank guarantee shall be same as mentioned in the bidding

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document for bid security;

Fixed Deposit Receipt (FDR) of a scheduled bank. It shall be in the name of procuring entity on account of bidder and discharged by the bidder in advance. The procuring entity shall ensure before accepting the FDR that the bidder furnishes an undertaking from the bank to make payment/premature payment of the FDR on demand to the procuring entity without requirement of consent of the bidder concerned. In the event of forfeiture of the performance security, the Fixed Deposit shall be forfeited along with interest earned on such Fixed Deposit.

d) Performance security furnished in the form specified in clause [b.] to [d.] of (c) above shall remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the bidder, including five years warranty obligations and maintenance and defect liability period.

e) Forfeiture of Security Deposit: Security amount in full or part may be forfeited, including interest, if any, in the following cases:-

When any terms and condition of the contract is breached.

When the bidder fails to make complete supply satisfactorily.

If the bidder breaches any provision of code of integrity, prescribed for bidders, specified in the bidding document.

f) Notice will be given to the bidder with reasonable time before PSD deposited is forfeited.

g) No interest shall be payable on the PSD.

III.4. TERMINATION:

4.1 The SWACH or the Contractor may terminate the Contract if the other party causes a breach of the Contract.

4.2 Breaches of Contract include, but are not limited to:

(a) The Contractor stops work when no stoppage of work is shown on the current program and the stoppage has not been authorized by the SWACH;

(b) The SWACH instructs the Contractor/ firm to suspend the execution of work and the instruction is not withdrawn within 30 days;

(c) The SWACH or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(d) The SWACH gives Notice that failure to correct a particular Defect is a breach of Contract and the Contractor fails to correct such Defect within a reasonable period of time determined by the SWACH;

(e) The Contractor has delayed the supply and Commissioning of solar pumping system. (f) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing or in executing the Contract.

4.3 Notwithstanding the above, the SWACH may terminate the Contract at his convenience.

4.4 If the Contract is terminated the Contractor shall stop execution of works forthwith.

III.5. PAYMENT UPON TERMINATION

5.1 If the Contract is terminated because of a breach of Contract by the Contractor, the SWACH shall issue a certificate for the value of the work done plus any amount paid against materials/works ordered for Works less payments received up to the date

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of issue of the certificate and less the percentage of the value of the Works not completed. Liquidated Damages do not apply and the Employer has the right to damages in respect of any delay incurred arising from the breach. If the total amount due to the SWACH exceeds any payment due to the Contractor, the difference shall be a debt payable to the SWACH.

5.2 If the Contract is terminated at the SWACH's convenience or because of a breach of Contract by the SWACH, the SWACH shall issue a certificate for the value of the work done and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate.

III.6. DISPUTES

6.1 **SWACH Decision:** If any dispute of any kind whatsoever arises between the SWACH and the bidder in connection with, or arising out of, the Contract or the execution of the Works, whether during the execution of Works or after their completion, and before or after repudiation or other termination of the Contract, including any dispute as to:

- a) The quality of the workman ship or materials,
- b) Any other question, claim, right matter or anything whatsoever in any way arising out of or relating to the supply and commissioning of solar system

The dispute shall, in the first place, be referred in writing to the Director SWACH who has jurisdiction over the Works specified in the Contract, with a copy to the other party. Such reference shall state that it is made pursuant to this Clause. Not later than 30 days after the day on which he received such reference the DIRECTOR SWACH shall give written notice of his decision to the SWACH and the Contractor. Such decision shall state that it is made pursuant to this Clause. Subject to the other forms of settlement hereinafter provided, the decision of Member Secretary of SWACH in respect of every dispute or difference so referred shall be final and binding upon the Contractor and the SWACH. Unless the Contract has already been repudiated or terminated, the Contractor shall, in every case, continue to proceed with the Works with all due diligence and the Contractor and the SWACH shall give effect forthwith to every such decision of the SWACH until or unless the same shall be revised in an amicable settlement or as hereinafter provided.

6.2 Remedy when the decision of DIRECTOR SWACH is Not Accepted: If either The SWACH or the Contractor be dissatisfied with any decision of The DIRECTOR of SWACH, or if The DIRECTOR of SWACH fails to give notice of his decision on or before 30 days after the day on which he received the reference, then either the SWACH or the Contractor may, on or before the 30 day after the day on which he received the notice of such decision, or on or before the twenty eighth day after the day on which the said period of 30th days expired, as the case may be, give notice to the other party, with a copy to The DIRECTOR of SWACH, of his intention to commence proceedings before THE CHAIR PERSON of SWACH in appeal. THE CHAIR PERSON of SWACH shall decide the matter in appeal acting on behalf of the EC of SWACH.

If THE CHAIR PERSON SWACH has given notice of his decision as to a matter in dispute to The DIRECTOR SWACH and the Contractor and no written notice to commence arbitration has been given by either The DIRECTOR SWACH or the Contractor on or before the 30th day after the day on which the parties received notice as to such decision from THE CHAIR PERSON SWACH, the said decision shall

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become final and binding upon the SWACH and the Contractor. In case, a party remains dissatisfied with the decision of THE CHAIR PERSON SWACH, it can refer the matter for Arbitration.

6.3 Amicable Settlement: Where notice of intention to commence arbitration has been given in accordance with Sub-Clause 6.2, arbitration shall not be commenced unless an attempt has first been made by the parties to settle the dispute amicably. Provided that, unless the parties otherwise agree, arbitration may be commenced on or after the fifty-sixth day after the day on which the notice of intention to commence arbitration was given, whether or not any attempt at amicable settlement thereof has been made.

6.4 Arbitration: Any dispute in respect of which:

- a) The decision, if any, of the DIRECTOR SWACH has not become final and binding pursuant to sub-clause 6.1, or in case either party remains dissatisfied with the decision of the DIRECTOR as in 6.2; or
- b) An amicable settlement has not been reached within the period stated in Sub-Clause 6.3, it shall be finally resolved by arbitration. The arbitration will take place in accordance with the Arbitration and Reconciliation Act, 1996 as applicable in India and the arbitration shall take place at UDAIPUR. Each party shall appoint an Arbitrator and the two Arbitrators shall appoint an Umpire. Arbitration may be commenced prior to or after completion of the Works, provided that the obligations of the SWACH, the SWACH and the Contractor shall not be altered by reason of the arbitration being conducted during the progress of the Works. The decision of the Arbitral Tribunal shall be final and binding on both the parties.

III.7. Determination of Lowest Bidder:

- a) The Lowest Bidder shall be determined separately for each item (i.e. items at of no. 1.01 to 1.05 and 2.01 to 2.05) considering the total landed cost offering by bidder in BOQ against each item.
- b) **Important note-** Bidder are advised to fill the total price against each item in row at serial no. 1.01 to 1.05 and 2.01 to 2.05 as per their total price in the PDF format i.e. total price including of all the price offered against A to I of each item.
- c) In case Director SWACH opt offer placing order to more than one bidder for each category of item, then initially L-2 bidder will be extended opportunity to match L-1 rate, on by L-2 Bidder then of L-3 bidder be soon.

III.8. Comparison of rates of firms outside and those in Rajasthan

- RTPP RULES & GST guidelines shall be applicable as per rule.

III.9 Price/ purchase preference in evaluation

Price and/ or purchase preference notified by the State Government (GoR), Price preference policy for MSME enterprise (as per new circular on Nov. 19, 2015) & any other notification issued by GoR for price preference and as mentioned in the bidding document shall be considered in the evaluation of Bids and award of Rate contract.

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III.10. Negotiations

- a. Except in case of procurement by method of single source procurement or procurement by competitive negotiations, to the extent possible, no negotiations shall be conducted after the pre-bid stage. All clarifications needed to be sought shall be sought in the pre-bid stage itself.
- b. Negotiations may, however, be undertaken only with the lowest or most advantageous bidder when the rates are considered to be much higher than the prevailing market rates.
- c. The bid evaluation committee shall have full powers to undertake negotiations. Detailed reasons and results of negotiations shall be recorded in the proceedings.
- d. The lowest or most advantageous bidder shall be informed in writing either through messenger or by registered letter and e-mail (if available). A minimum time of seven days shall be given for calling negotiations. In case of urgency the bid evaluation committee, after recording reasons, may reduce the time, provided the lowest or most advantageous bidder has received the intimation and consented to regarding holding of negotiations.
- e. Negotiations shall not make the original offer made by the bidder inoperative. The bid evaluation committee shall have option to consider the original offer in case the bidder decides to increase rates originally quoted or imposes any new terms or conditions.
- f. In case of non-satisfactory achievement of rates from lowest or most advantageous bidder, the bid evaluation committee may choose to make a written counter offer to the lowest or most advantageous bidder and if this is not accepted by him, the committee may decide to reject and re-invite Bids or to make the same counter-offer first to the second lowest or most advantageous bidder, then to the third lowest or most advantageous bidder and so on in the order of their initial standing and work/ supply order be awarded to the bidder who accepts the counter-offer. This procedure would be used in exceptional cases only.
- g. In case the rates even after the negotiations are considered very high, fresh Bids shall be invited.

III.11. Force Majeure: This clause may be allowed to be invoked by either party in case of extraordinary circumstances beyond the control of either party by the Executive Committee of the SWACH for termination or mitigation of liability. The decision of the Executive Committee of SWACH shall be final in this respect. The decision shall be arbitrable in terms of clause 6.4.

III.12. Disclaimer Clause: SWACH reserves the absolute and unqualified right to change, modify, add, alter or delete any clause of the Contract till it is signed and shall not bear any responsibility towards any damage caused to the Contractor on this account. SWACH also shall not be responsible for any loss suffered by the contractor on account of any unforeseen happening and shall not compensate the Contractor for the same

III.13. Superintendence Clause: The Executive Committee of SWACH is the final authority to decide any matter, either on reference or suo moto, which is otherwise being performed under its delegated authority by its officials under the terms prescribed in this Bid Document.

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Annexure-'A'

COMPLIANCE WITH THE CODE OF INTEGRITY AND NO CONFLICT OF INTEREST:-

Any person participating in a procurement process shall-

- a) Not offer any bribe, reward of gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- b) Not misrepresent or omit misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- c) Not indulge in any collusion, Bid rigging or anti competitive behavior to impair the transparency, fairness and progress of the procurement process;
- d) Not misuse any information shared between the procuring entity and the bidders with an intent to gain unfair advantage in the procurement process;
- e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any part or to its property to influence the procurement process;
- f) Not obstruct any investigation or audit of procurement process,
- g) Disclose conflict of interest, if any, and
- h) Disclose any previous transgression with any entity in India or any other country during the last three years or any debarment by any other procuring entity.

CONFLICT OF INTEREST:-

The bidder participating in a bidding process must not have a conflict of interest. A conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

1. A Bidder may be considered to be in conflict of interest with one or more parties in bidding process if, including but not limited to:
 - a. Have controlling partners/shareholders in common; or
 - b. Receive or have received any direct or indirect subsidy from any of them; or
 - c. Have the same legal representative for purposes of the Bid; or
 - d. Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another bidder, or influence the decision of the procuring entity regarding the bidding process; or
 - e. The bidder participates in more than one Bid in a bidding process. Participation by a bidder in more than one Bid will result in the disqualification of all Bids in which the

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- bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a bidder, in more than one Bid; or
- f. The bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods, works or services that are the subject of the Bid; or
- g. The bidder or any of its affiliates has been hired (or is proposed to be hired by the Procuring Entity as engineer-in charge/consultant for the contract.

Date:



Signature of Bidder with Seal

Name:

Designation:

Address:

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Badi Road, Hawala Khurd, Udaipur, Rajasthan, India
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Annexure-'B'

DECLARATION BY THE BIDDER REGARDING QUALIFICATIONS

DECLARATION BY THE BIDDER

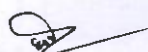
In relation to my/our Bid submitted to DIRECTOR SWACH UDAIPUR for procurement of M/s In response to their notice inviting Bids No.....DatedI/we hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the bidding Document issued by the procuring entity;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the bidding document;
3. I/we are not insolvent, in receivership bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have been convicted of any criminal offence related to my/our professional conduct or the making of false statements of misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the bidding document, which materially affects fair competition.

Date:
Place:

Signature of Bidder with Seal

Name:
Designation:
Address:



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Annexure-'C'

GRIEVANCE REDRESSAL DURING PROCUREMENT PROCESS

The designation and address of the First Appellate Authority is

Chair Person, SWACH, Udaipur

The designation and address of the Second Appellate Authority is

Additional Chief Secretary, TAD

1. Filling an appeal:-

If any bidder or prospective bidder is aggrieved that any decision, action or omission of the procuring entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued there under, he may file an appeal to First Appellate Authority, as specified in the bidding document within a period of ten days, from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or ground on which he feels aggrieved:

Provided that after the declaration of a bidder as successful the appeal may be filed only by a bidder who has participated in procurement proceedings:

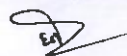
Provided further that in case a procuring entity evaluates the technical bids before the opening of the financial Bids, and appeal related to the matter of financial Bids may be filed only by a bidder whose technical Bid is found to be acceptable.

2. The officer to whom an appeal is filed under Para (1) will deal with the appeal as expeditiously as possible and will Endeavour to dispose it off within thirty days from the date of the appeal.
3. If the officer designated under Para (1) fails to dispose of the appeal filed within the period specified in Para (2), or if the bidder or prospective bidder or the procuring entity is aggrieved by the order passed by the First Appellate Authority, the bidder or prospective bidder or the procuring entity, as the case may be may file a second appeal to second Appellate Authority specified in the bidding document in this behalf within fifteen days from the expiry of the period specified in Para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

4. Appeal not to lie in certain cases:-

No appeal will lie against any decision of the procuring entity relating to the following matters, namely:-

- (a) Determination of need of procurement;
- (b) Provision limiting participating of bidders in the Bid process;
- (c) The decision of whether or not to enter into negotiations;
- (d) Cancellation of procurement process;
- (e) Applicability of the provisions of confidentiality



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5. Form of Appeal:-

- (a) An appeal under Para (1) or (3) above will be in the annexed Form along with many copies as there are respondents in the appeal.
- (b) Every appeal will be accompanied by an order appealed against, if any affidavit verifying the facts stated in the appeal and proof of payment of fee.
- (c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case maybe, in person or through registered post or authorized representative.

6. Fee for filling appeal

- (a) Fee for first appeal will be rupees two thousand five hundred and for second appeal will be rupees ten thousand, which will non-refundable.
- (b) The fee will be paid in the form of bank demand draft or banker's cheque of Scheduled Bank in India payable in the name of Appellate Authority concerned.

7. Procedure for disposal of appeal:-

- (a) The First Appellate Authority or Second Appellate Authority, as the case maybe, upon filing of appeal, will issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- (b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, will,
 - (i) Hear all the parties to appeal present before him; and
 - (ii) Peruse or inspect documents, relevant records or copies thereof relating to the matter.
- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned will pass an order in writing and provide the copy of order to the parties free of cost.
- (d) The order passed under sub-clause © above will be place on the State Public Procurement Portal.

Date:

Place

Signature of Bidder with Seal

Name:

Designation:

Address:

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FORM No. 1

[See rule 83]

Memorandum of Appeal under the Rajasthan Transparency in Public Procurement Act, 2012

Appeal No.of.....

Before the(First/Second Appellate Authority)

1. Particulars of Appellant:

(i) Name of the appellant:

(ii) Official address, if any:

(iii) Residential address:

2. Name and address of the respondent (s)

(i)

(ii)

(iii)

3. Number and date of the order appealed against and name and designation of the officer/authority who passed the order (enclose copy) or a statement of a decision, action or mission of the procuring entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposed to be represented by a representative, the name and postal address of the representative:

5. Number of Affidavits and documents enclosed with the appeal:

6. Grounds of appeal:

.....
.....
.....

(supported by an affidavit)

7. Prayer :

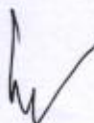
.....
.....
.....

Place.....

Date.....

Signature

Appellant's



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Annexure-'D'

ADDITIONAL CONDITIONS OF CONTRACT

1. Correction of Arithmetic Errors:-

Provided that a financial Bid is substantially responsive, the procuring entity will correct arithmetical errors during evaluation of financial Bids on the following basis:

- (i) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the total price will be corrected, unless in the opinion of the procuring entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted will govern and the unit price will be corrected;
- (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the sub totals will prevail and the total will be corrected; and
- (iii) If there is a discrepancy between words and figures, the amount in words will prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures will prevail subject to clause (i) and (ii) above.

If the bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid will be disqualified and its Bid security will be forfeited or its Bid securing declaration will be executed.

2. Procuring Entity's Right to Vary Quantities

The quantity mentioned in the Bid is the minimum approximate quantity that the bidder will have to compulsorily supply to specified destination.

- (a) At the time of award of contract, the quantity of Goods, works or service originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit process or other terms and conditions of the Bid and the conditions of contract.
- (b) If the procuring Entity does not procure any subject matter of procurement or procure less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the conditions of contract.
- (c) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity will not be more than 50% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the supplier fails to do so, the Procuring Entity will be free to arrange for the balance supply by limited bidding or otherwise and the extra cost incurred will be recovered from the supplier.



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3. DIVIDING QUANTITIES AMONG MORE THAN ONE BIDDER AT THE TIME OF AWARD (IN CASE OF PROCUREMENT OF GOODS):-

As a general rule all the supply will be taken from successful bidder, whose Bid is accepted, However, when it is considered that the quantity of the subject matter of supply to be supplied is very large and it may not be in the capacity of the bidder, whose Bid is accepted to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the bidder, whose Bid is accepted and the second lowest bidder or even more bidders, in that order, in a fair, transparent and equitable manner at the rates of the bidder, whose Bid is accepted.

Date:

Place:

Signature of Bidder with Seal

Name:

Designation:

Address:



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(IV) Bid Data Sheet

The following specific data for the works to be procured shall complement, amend, or supplement the provisions in General Instructions to Bidders. Whenever there is a conflict, the provisions herein shall prevail over those in the General Instructions to Bidders.

ITB 1.1	DIRECTOR, SWACH PROJECT, UDAIPUR The reference to Invitation for Bids is: The scope of work under this package will include supply of Solar Photovoltaic (SPV) Pump and Installation and Commissioning SPV pumps with 5 years warranty & Maintenance
ITB 1.2	I. Time of Supply within 45 days after issuance of work order II. Commissioning of facilities within 60 days of supply
ITB 3.1	Eligible Bidders: Experience and Documents: Bidder applying for the above work should be a manufacturer of solar PV module/ panel or its authorized partner with an experience of at least 2 years in the SPV field, supplying and commissioning of Solar Photovoltaic (SPV) systems. (Bidder in case of participation other than manufacturer, they will submit authorization towards participation against this tender)
	TURNOVER: The Financial cumulative turnover should be total minimum value of 10 crore or more in previous three Financial years.
ITB 4.1	Each bidder shall submit only one bid, himself. A bidder who submits or participates in more than one bid for a particular Work shall be disqualified.

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Submission and opening of bids

- | | |
|---|--|
| 1. Publishing BID online | 04.04.2018 (04.00 PM) |
| 2. BID available for downloading on the website | 04.04.2018 (05.00 PM) |
| 5. Time of submission of the offer-online | 13.04.2018 (05.00 PM) |
| 6. Opening of Technical Bids-online | 24.04.2018 (04.00 PM) |
| 7. Agreement | within 7 days of date of Award of Contract |

The address:

DIRECTOR SWACH PROJECT BADI ROAD
HAWALA KHURD
UDAIPUR (RAJ.) 313001



OFFICE OF THE DIRECTOR SWACH PROJECT, UDAIPUR

Badi Road, Hawala Khurd, Udaipur, Rajasthan, India

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(V) FINANCIAL PROPOSAL SUBMISSION SHEET

(A). Financial Proposal for Solar AC Monoblock Surface Pump set

{to be submitted by the bidder in pdf with BoQ format in financial Bid}

Sr.No.		Solar AC Monobloc Surface pump 7.5 HP Suitable For Head Range 25m to 50m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty	Price Inclusive of all for 1 Unit Except GST
1	A	Solar AC Monobloc Surface pump 7.5 HP as per site conditions & Head	
	B	Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(7.5 HP)	
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (7.5 HP)	
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.	
	E	Cable + Connector perfectly matching with Solar AC Monobloc Surface pump (7.5 HP) (50 meter cable)	
	F	HDPE Coil + Rope (50 meter each)	
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.	
	H	Installation and commissioning charges including transport up to work site	
	I	GST ON PRICES A TO H	
	J	TOTAL PRICE	
Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 1.01			
2		Solar AC Monoblock Surface pump 10 HP Suitable For Head Range 25m to 50m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty	
	A	Solar AC Monobloc Surface pump 10 HP as per site conditions & Head	
	B	Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(10 HP)	
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (10 HP)	
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.	
	E	Cable + Connector perfectly matching with Solar AC Monobloc Surface pump (10 HP) (50 meter cable)	
	F	HDPE Coil + Rope (50 meter each)	
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.	
	H	Installation and commissioning charges including transport up to work site	
	I	GST ON PRICES A TO H	
	J	TOTAL PRICE	
Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 1.02			
3		Solar AC Monoblock Surface pump 12.5 HP Suitable For Head Range 25m to 50m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty	
	A	Solar AC Monobloc Surface pump 12.5 HP as per site conditions & Head	
	B	Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(12.5 HP)	
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (12.5 HP)	

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	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.	
	E	Cable + Connector perfectly matching with Solar AC Monobloc Surface pump (12.5 HP) (50 meter cable)	
	F	HDPE Coil + Rope (50 meter each)	
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.	
	H	Installation and commissioning charges including transport up to work site	
	I	GST ON PRICES A TO H	
	J	TOTAL PRICE	
Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 1.03			
4		Solar AC Monobloc Surface pump 15 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty	
	A	Solar AC Monobloc Surface pump 15 HP as per site conditions & Head	
	B	Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(15 HP)	
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (15 HP)	
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.	
	E	Cable + Connector perfectly matching with Solar AC Monobloc Surface pump (15 HP) (50 meter cable)	
	F	HDPE Coil + Rope (50 meter each)	
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.	
	H	Installation and commissioning charges including transport up to work site	
	I	GST ON PRICES A TO H	
	J	TOTAL PRICE	
Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 1.04			
5		Solar AC Monobloc Surface pump 20 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty	
	A	Solar AC Monobloc Surface pump 20 HP as per site conditions & Head	
	B	Controller + VFD perfectly matching with Solar AC Monobloc Surface pump(20 HP)	
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Monobloc Surface pump (20 HP)	
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.	
	E	Cable + Connector perfectly matching with Solar AC Monobloc Surface pump (20 HP) (50 meter cable)	
	F	HDPE Coil + Rope (50 meter each)	
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.	
	H	Installation and commissioning charges including transport up to work site	
	I	GST ON PRICES A TO H	
	J	TOTAL PRICE	
Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 1.05			

40

[Signature]

[Signature]

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(B). Financial Proposal for Solar AC Submersible pump Set {to be submitted by the bidder in pdf with BoQ format in financial Bid}		
Sr.No.	Solar AC Submersible pump 7.5 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty and Maintenance	Price Inclusive of all for 1 Unit Except GST
	A	Solar AC Submersible pump 7.5 HP as per site conditions & Head
	B	Controller + VFD perfectly matching with Solar Submersible pump(7.5 HP)
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(7.5 HP)
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (7.5 HP) (50 meter cable)
	F	HDPE Coil + Rope (50 meter each)
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.
	H	Installation and commissioning charges including transport up to work site
	I	GST ON PRICES A TO H
	J	TOTAL PRICE
Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 2.01		
2		Solar AC Submersible pump 10 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty
	A	Solar AC Submersible pump 10 HP as per site conditions & Head
	B	Controller + VFD perfectly matching with Solar Submersible pump(10 HP)
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(10 HP)
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (10 HP) (50 meter cable)
	F	HDPE Coil + Rope (50 meter each)
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.
	H	Installation and commissioning charges including transport up to work site
	I	GST ON PRICES A TO H
	J	TOTAL PRICE
Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 2.02		
3		Solar Submersible pump 12.5 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty
	A	Solar AC Submersible pump 12.5 HP as per site conditions & Head
	B	Controller + VFD perfectly matching with Solar Submersible pump(12.5 HP)
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(12.5 HP)

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Badi Road, Hawala Khurd, Udaipur, Rajasthan, India

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	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.	
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (12.5 HP) (50 meter cable)	
	F	HDPE Coil + Rope (50 meter each)	
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.	
	H	Installation and commissioning charges including transport up to work site	
	I	GST ON PRICES A TO H	
	J	TOTAL PRICE	

Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 2.03

4		Solar Submersible pump 15 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty	
	A	Solar AC Submersible pump 15 HP as per site conditions & Head	
	B	Controller + VFD perfectly matching with Solar Submersible pump(15 HP)	
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(15 HP)	
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.	
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (15 HP) (50 meter cable)	
	F	HDPE Coil + Rope (50 meter each)	
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.	
	H	Installation and commissioning charges including transport up to work site	
	I	GST ON PRICES A TO H	
	J	TOTAL PRICE	

Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 2.04

5		Solar Submersible pump 20 HP Suitable For Head Range 30m to 60m. Giving discharge ranging from 15 LPS to 25 LPS depending on Site conditions with Five years warranty	
	A	Solar AC Submersible pump 20 HP as per site conditions & Head	
	B	Controller + VFD perfectly matching with Solar Submersible pump(20 HP)	
	C	Solar PV Modules Multi crystalline silicon type 250Wp each or higher perfectly matching with Solar AC Submersible pump(20 HP)	
	D	Mounting structure of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.	
	E	Cable + Connector perfectly matching with Solar AC Submersible pump (20 HP) (50 meter cable)	
	F	HDPE Coil + Rope (50 meter each)	
	G	Fencing for solar array as per site conditions covering area min 900 Sqm.	
	H	Installation and commissioning charges including transport up to work site	
	I	GST ON PRICES A TO H	
	J	TOTAL PRICE	

Important Instructions Note : Total Price at column J is to be filled in the BOQ Row at serial No. 2.05

- Bidder(s) are requested to offer prices strictly in the BOQ uploaded on the site. They should first download the BOQ from the site on their system and after

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10/11

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filling it, the same BOQ should be uploaded on the e-filled prices of each item to its correctness before uploading the BOQ on portal. DIRECTOR SWACH will not entertain any claim after closing of due date.

- Bidder are requested to leave the column of price blank in case they are not offering for any particular item. They are requested not to fill "Zero" in the said column in case they are not offering for such item.
- Financial Proposal Submission Sheet should be uploaded in PDF format with Financial cover only.

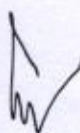
Date:

Signature of Bidder with Seal


Name:

Designation:

Address:



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(VI) Technical Bidding forms

1. TECHNICAL PROPOSAL SUBMISSION SHEET

Name of package:

1. Supply of Solar panel, Solar Photovoltaic (SPV) Pump and GI support structure.
2. Commissioning of solar infrastructural facility and its warranty/guarantee and after sales services for 5 years.

To

DIRECTOR
SWACH PROJECT
UDAIPUR (RAJ.)

Sir,

- 1 Having examined the Conditions of Contract, terms & conditions for the execution of the above named Works we, the undersigned, offer to execute and complete such works.
- 2 We undertake, if our bid is accepted, to commence the works as soon as is reasonably possible after receipt of the DIRECTOR, SWACH PROJECT (RAJ.) Notice to Proceed, but in no event later than seven (7) days thereafter, and to complete the whole of the Works comprised in the Contract within the time stated in the Bid.
- 3 We agree to treat the bid document and other records connected with the Works as secret and confidential documents and shall not communicate information described therein to any person other than the person authorized by you or use the information in any manner prejudicial to the safety of the Works.
- 4 We understand that you are not bound to accept the lowest or any proposal you may receive.
- 5 We are participating, as Bidders, in not more than one Bid in this Bidding process.
- 6 We enclose herewith an affidavit in the required format.

Yours faithfully;

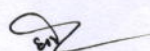
Name of the applicant/ Manufacturer /
Private/Public limited Company Position held by
the signatory

Encl: as above

Address:



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2. AFFIDAVIT


(Enclosure to Technical Proposal Submission Sheet)

- 1 I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct
- 2 The undersigned also hereby certifies that neither our firm M/s..... has abandoned any work awarded to us by any department of Government of India or by any State Government nor any contract awarded to us for such works has been rescinded, during the last five years prior to the date of this bid.
- 3 The undersigned hereby authorize(s) and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by **DIRECTOR SWACH PROJECT, Udaipur** to verify this statement or regarding my (our) competence and general reputation.
- 4 The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of **DIRECTOR SWACH PROJECT, Udaipur**

Signed by an Authorized signatory of
the firm Title of the signatory

Name of the firm Date

(This affidavit is to be furnished on a non-judicial stamp paper of Rs. 100/-)


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3. Schedule-I

To establish its qualifications to perform the contract the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

Form - 1: Bidder's Information Sheet for Envelope 'I'

Bidder's Information	
Bidder's legal name (In case of Private Limited Company name of company be mentioned)	
In case of outsourcing with company legal name of each partner	
Bidder's country of constitution	
Bidder's year of constitution	
Bidder's legal address in country of constitution	
Bidder's authorized representative (Name, address, telephone numbers, fax numbers, e-mail address)	
Attached are copies of the necessary original documents. 1. 2. 3. 4. 5. 6.	



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4. Schedule-II

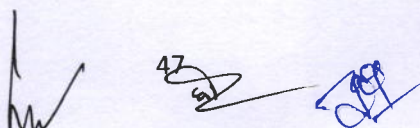
Firm profile at a glance

S. No.	Particulars
1	Name & Mailing Address of firm
2	Contact Person Name, Designation & Contact No.
3	E-mail Address for correspondence
4	Firm Website Address
5	Firm Status (Private / Ltd / PSU/ Incorporate/Properiter)
6	Establish Year of firm
7	PAN/ TAN No.
8	Firm Registration No/ ROC
9	EPF Registration No. if applicable
10	STR/ VAT/ TIN No
11	GST No.
12	Bank name & contact No
13	Turnover 2014-15, 2015-16& 2016-17 Rs. in Crore
14	Company Profile (<100 words)
15	Partner/ JV Firm details, if any (<100 words)
16	Factory Address
17	Floor area of factory
18	Self Manufacturing facilities & Capacity
19	Outsourcing Item and Firm (Name & Address of Firm)
20	Own Testing facility
21	Skilled manpower
22	Dealer/ supply network in Rajasthan
23	Experience in solar (<100 words)
24	Solar related Product Range
25	Guarantee, Maintenance & After Sales Services (Years)
26	Accreditation (Own Firm)
27	Accreditation/Authorization (Outsourcing Firm)
28	Technical specifications for SPV(Cell, panel, module), Motor pumpset, Controller, cables etc.
29	Has any Govt. / Under - taking ever debarred the
30	Special Remarks, if any

It is certified that the information provided above is true to the best of my knowledge and belief. If any information found to be concealed, suppressed or incorrect at later date, our tender shall be liable to be rejected and our company debarred from executing any business with DIRECTOR SWACH .Udaipur

Date :

Sign. & Stamp

The block contains three handwritten signatures in blue ink. The first signature is on the left, the second is in the middle with the number '42' written above it, and the third is on the right. There are no official stamps visible.

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5. Schedule III

Form FIN - 1: Annual Turnover

Each Bidder must fill in this form

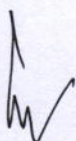
Annual Turnover Data for the Last 3 Years		
Year	Currency	Rs in Lacs
2014-15		
2015-16		
2016-17		
TOTAL		

The information supplied should be the Annual Turnover of the Bidder or each member of a Consortium in terms of the amounts billed to clients for each year for work in progress or completed.

Signature of Applicant

Certified by Applicant's Auditor

(Affix Stamp)



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6. Schedule IV

Personnel

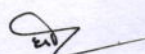
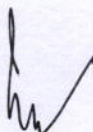
Bidders shall provide the names of suitably qualified key personnel who would be needed to successfully complete the project, in the following Form PER-1.

Data on the experience of each candidate should be supplied using the Resume format (Form PER-2) provided on the following page.

The proposed Mobilization/Deployment Schedule for all such key personnel shall be provided in the format provided in Form PER-3.

Form PER-1

1.	Title of position
	Name
2.	Title of position
	Name



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7. Resume of Proposed personnel:

Form PER-2

Position:			
Responsibilities:			
Personnel information	Name	Date of birth	Nationality
	Professional qualifications		
Present employment	Name of employer		
	Address of employer		
	Telephone	Contact (manager / personnel officer)	
	Fax	E-mail	
	Job title	Years with present employer	

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From To Company / Project / Position / Relevant Technical and Management Experience

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(VII) AGREEMENT

An agreement made this day of between M/s (hereinafter called "**the approved supplier**", which expression shall, where the context so admits, be deemed to include his heirs successors, executors and administrators of the one part and the Government of the State of Rajasthan (herein after called "the Government" which expression shall, where the context so admits, be deemed to include his successors in office and assigns) of the other part.

2. Whereas the approved supplier has agreed with the Government to supply to The Swach Project, **Udaipur** for supply of of the State of Rajasthan at its Head Office as well as at branches offices throughout Rajasthan, all those articles set forth in the schedule appended hereto in the manner set forth in the conditions of the tender and contract appended herewith and at the rates set forth in column of the said schedule.

3. **And whereas the approved supplier has deposited a sum of Rs.**
(Since M/s)

(1) Cash/Bank Draft/Challan no./Banker Cheque No (Since M/s)

(2) Post Office Savings Bank Pass Book duly hypothecated to the Departmental authority.

(3) National Savings Certificates/Defence Savings Certificates, KisanVikasPatras, or any other script/instrument under National Saving Schemes for promotion of Small Savings, if the same can be pleased under the relevant rule. (The certificates being accepted at surrender value) as security for the due performance of the aforesaid agreement which has been formally transferred to the departmental authority.

4. Now these Presents witness:

(1) In consideration of the payment to be made by the Government through _____ at the rates set forth in the Schedule hereto appended the approved supplier will duly supply the said articles set forth in tender and in award dated thereof in the manner set forth in the conditions of the tender and contract.

(2) The conditions of the tender and contract for open tender enclosed to the tender notice No..... and also appended to this agreement will be deemed to be taken as part of this agreement and are binding on the parties executing this agreement.

(3) Letters Nos.....received from tenderer and letters nos. issued by the Government and appended to this agreement shall also form part of this agreement.

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(4) (a) The Government do hereby agree that if the approved supplier shall duly supply the said articles in the manner aforesaid observe and keep the said terms and conditions, the Government will through Cheque/Banker Cheque/DD pay or cause to be paid to the approved supplier at the time and the manner set forth in the said conditions, the amount payable for each and every consignment.

(c) The mode of Payment will be as specified below:-

1. Banker Cheque
2. Cheque
3. Demand Draft

5. The delivery shall be effected and completed within the period noted below from the date of supply of order:-

S.No.	Items Quantity	Delivery period
-------	----------------	-----------------

1

6. (1) (i) In case of extension in the delivery period with liquidated damages, the recovery shall be made on the basis of following percentages of value of stores which the tenderer has failed to supply :-

(a) Delay upto one fourth period of the prescribed delivery period.	2½%
---	-----

(b) Delay exceeding one fourth but not exceeding half of the prescribed delivery period.	5%
--	----

(c) Delay exceeding one fourth but not exceeding three fourth of the prescribed delivery period.	7½%
--	-----

(d) Delay exceeding three fourth of the prescribed delivery period.	10%
---	-----

Note : (i) Fraction of a day in reckoning period of delay in supplies shall be eliminated if it is less than half a day.

(ii) The maximum amount of agreed liquidated damages shall be 10%

(iii) If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrances, he shall apply in writing to the authority which had placed the supply order, for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.

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(2) Delivery period may be extended with or without liquidated damages if the delay in the supply of goods is on account of hindrances beyond the control of the tenderer.

7. All disputes arising out of this agreement and all questions relating to the interpretation of this agreement shall be decided by the Government and the decision of the Government shall be final.

NIT and Tender Documents shall be the part of this agreement.

In witness whereof the parties hereto have set their hands on theth day of 2018.

M/s

SWACH PROJECT. UDAIPUR

Signature of the approved supplier
Governor

Signature for and on behalf of
Designation

Date:

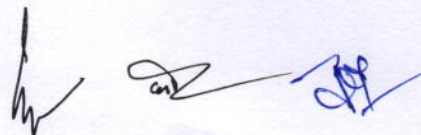
Date:

Witness No. 1

1. Witness

Witness No.2

2. Witness



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(VIII) PERFORMANCE SECURITY REGARDING PERFORMANCE OF EXECUTED WORK BANK GUARANTEE (UNCONDITIONAL)

By a reputed International Bank or an Indian Scheduled Bank acceptable to
DIRECTOR SWACH

To: DIRECTOR
SWACH PROJECT,
District
Rajasthan, India

Name of Contract: Supply, installation and commissioning of SPV Solar Pumping Systems

WHEREAS[name and address
of Contractor] (*hereinafter called the Contractor*) has undertaken, in pursuance of
Contract No. Dated for Supply and
commissioning Solar Pumping system (*hereinafter called the Contract*)

AND WHEREAS it has been stipulated by you in the said Contract that the
Contractor (Name of the Contractor) shall furnish to you a Bank Guarantee by a
recognized bank for the sum specified therein as security for performance of the work
execution in case the system fails;

AND WHEREAS we have agreed to give the Contractor (Name of Contractor) such
a Bank Guarantee.

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on
behalf of the Contractor (Name of Contractor), up to a total of Rs. [Amount
of Guarantee][In words],

such sum being payable in
Indian Rupees in which the contract price is payable, and we undertake to pay you,
upon your first written demand and without cavil or argument
any sum or sums within the limits of
[amount of Guarantee] as aforesaid without your needing to prove
or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor
before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of
the Contract or of the Works to be performed there under or of any of the
Contract documents which may be made between you and the Contractor shall in any
way release us from any liability under this guarantee, and we hereby waive notice of any
such change, addition or modification.

The guarantee shall be valid for 5 years for warranty and maintenance after the date of
supply and commissioning (in order to commitment of five years' free equipment
maintenance of the SPV pumping system).

SIGNATURE AND SEAL OF THE

GUARANTOR: NAME OF BANK:

ADDRESS:

54.
AFO-I
EX EN
P.M. Swachh