

SECRET

Copy No. _____

File No. IIT-RP-12/ 2019

DEPARTMENT OF WATER RESOURCES

No. _____ Bhubaneswar dated the


MEMORANDUM FOR THE CABINET

Subject: - Approval of the bid for the work "Construction of Left Bank Canal from RD 100.490 KM to RD 107.500 KM including all structures, ICB CW Package-D(1)".

1. Background :

1.1 Rengali Multipurpose Project was planned in two stages i.e. stage-I and stage-II. **Stage-I** included construction of Rengali dam near village Rengali on river Brahmani to provide flood relief to an area of 2600 sq. km in Brahmani delta and generation of 250 MW hydro power which was approved by the Planning Commission in the year-1972 with a cost of Rs.5792.68 lakhs. Stage-I was completed in 1985 and the hydropower plant was commissioned in 1992. **Stage-II** entailed the construction of a barrage over river Brahmani at village Samal to divert the water released from Rengali dam along with inflow from catchment below Rengali dam and upstream of Samal barrage to irrigate 1,21,200 Ha through Right Bank Canal (RBC) and 1,14,300 Ha through Left Bank Canal (LBC). The Planning Commission had approved the project during March-1978 for an amount of Rs.2336.40 lakhs. Stage-I and Stage-II had been taken up by state funding. Due to financial constraints, the part of Samal barrage and canal system could not be completed.

1.2 The proposal for construction of Left Bank Canal from RD 29.177 Km to 141.00 Km (Rengali Irrigation Sub-Project, LBC-II) was approved by CWC during 1996-97 for an amount of


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Rs.705.150 Crore at 1995 Price level. The revised cost estimate of the project was reviewed and finalized by CWC for Rs.3603.67 Crore based on 2013 price level. The balance work of Samal barrage and construction of Left Bank Canal (LBC-I) from RD 00 Km to 29.177 Km was completed under World Bank Assisted, Odisha, WRCP during 2004-05 and providing irrigation to CCA of 12,157 Ha. (flow - 8,483 Ha, Lift - 3,674 Ha). RIP-I i.e. Construction of LBC from RD 29.177 Km to 71.313 Km was completed by 2010 by JICA loan assistance and providing irrigation to CCA of 29177 Ha. (flow - 26,946 Ha and Lift - 2230 Ha). RIP-II i.e. Construction of LBC from RD 71.313 Km to RD 123.50 Km was proposed to be taken up by Loan Assistance of JICA. Due to delay in processing with JICA, the construction of LBC and some structures from RD 71.313 Km to 100.490 Km was taken up by State funding and completed by 2016.

1.3 Discussion was held between the officials of JICA, MoWR, Gol and DOWR, Govt. of Odisha on 27th February 2015 at New Delhi and a loan agreement was made between JICA and Government of India on 30.12.2015 for construction of balance structures LBC from RD 71.313 Km to 100.490 Km and construction of LBC and its distribution system with all structures from RD 71.313 Km to RD 123.500 Km of RIP- II.

2. Objectives of the project:-


The objective of the project is to increase production of agriculture in the project area by constructing irrigation systems including CAD channels, establishing Water Users Associations, and promoting livelihood support activity through improving farming technique and other related activities to improve living standard of farmers and socio-economic development of the command area. The project is to give irrigation to a Culturable Command Area (CCA) of 39,415.94 Ha. in the upland areas of Dhenkanal, Jajpur and Keonjhar.

3. Financial Implications:-

As per loan agreement, the cost of the project is INR 2255.30 Crore (JICA share is INR 1787.20 Crore and State share is INR 468.10 Crore). The Project (all civil works) is planned to be completed by March-2023.

4. The Proposal:

Tender proposal for ICB CW Package- D (1)- Name of work "Construction of Left Bank Canal from RD 100.490 KM to RD 107.500 KM including all structures".


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4.1 The construction of LBC and canal system has been planned to be executed through 19 LCB civil works contract packages under the state procurement procedure and 2 ICB, CW packages (E-1 & D-1) are to be procured as per the JICA's guideline and Standard Bid Document (SBD)


4.2 The Left Bank Canal (LBC) including all structures from RD 100.490 Km to RD 107.500 has been planned to be constructed under two ICB-CW Packages D-(1,) and from RD 107.500 Km to RD 123.500 Km under Package- E-(1).

4.3 The instant tender is the part of the Project Rengali Irrigation Project Phase-2 (RIP-2). The scope of this tender is to construct the Left Bank Canal from RD 100.490 Km to RD 107.500 Km to be completed in 36 months. This includes excavation of the canal in deep cutting from RD 100.490 Km to RD 101.300 Km (0.810 Km length) with 18 m. average depth of cutting, excavation of canal from RD 101.300 Km to 102.200 Km (0.900 Km length) in very deep cutting with 25 m. average depth of cutting and a water conveyance system of triple vent RCC conduit of same length (0.900 Km length), canal in deep cutting from RD 102.200 Km to RD 107.500 Km (5.300 Km length) with 16 mtr. average depth of cutting, 6 Nos. of village road bridge, 6 Nos. of super passage, 1 No. cross drainage work, 1 No. of existing canal crossing with village road bridge and RCC lining from RD 104.034 Km to RD 105.079 Km (1.045 Km length).

5. The Procedure followed:

5.1 The draft bidding documents without pre-qualification were prepared as per JICA's guidelines, standard bidding procedure for procurement goods and services and FIDIC conditions of the contract. JICA conveyed their "No objection" to the bidding documents. Government approved the Bidding Document vide DoWR letter No.29714/WE dated 20.12.2019 (**Annexure-A**). After approval of draft bid documents without pre-qualification, bids were invited by the Chief Engineer, JICA Project vide IFB No. CE-BLB-ICB-D(1)-02 of 2019-20.

5.2 The Draft bidding document for ICB CW Package- E(1) has been concurred in by Finance Department in their UOR No.34-WF-II dated 12.07.2019. The conditions of contract


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and contains of the bid documents are the same as per the JICA guidelines and also approved by Finance Department for this Package i.e. ICB CW Package- D (1).

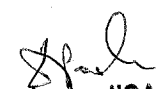
5.3 The CE, JICA Project invited item rate bids in single stage-two envelope (one for technical bid and one for price bid) from the eligible bidders vide bid identification No. IFB No.-CE-BLB-ICB-D(1)-02 of 2019-20. Thirteen (13) interested firms purchased the bid documents from the office of Chief Engineer, JICA Projects, Brahmani Left Basin, Sukinda. The bids were received from the following 05 Nos. of Bidders before the schedule date and time:

- (1) **Gayatri Project Ltd. - Single**
- (2) **NCC Limited. - Single**
- (3) **SMSL-DDBL - JV**
- (4) **GVV-Raghva - JV**
- (5) **RRCIPL-WCPL - Consortium**

5.4 The technical bids of the above bidders were opened on 03.03.2020 and evaluated as per JICA's evaluation guideline. The CE, JICA Project discussed the Technical Bid Evaluation Report (TBER) in the Project Level Tender Committee (PLTC) held on 05-05-2020 and found that three (03) nos. of bidders technically qualified (**Annexure-B**). The TC-Cum-EC of DoWR held on 11-06-2020 approved the technical bid of the three bidders i.e. (i) Gayatri Project Ltd. (Single); (ii) NCC Ltd. (Single) and (iii) SMSL-DDBL (JV) for opening of their Price bid. The proceedings of the TC-cum-EC is Annexed(**Annexure-C**). JICA India Office gave their concurrence to the Technical Evaluation Report vide letter No.JICA-ID-2020-704 dated 12-01-2021.

5.5 The price bid of the three technically responsive bidders were opened on dated 29-01-2021 and evaluated. The detail comparison of the price bid of the three bidders with the sanctioned estimated amount put to bid is as follows:-

Sl No.	Name of the bidder	Amount put to bid	Bid amount	% Excess/Less	Position
1	Gayatri Projects Ltd.	Rs.275,44,89,007.46	Rs.292,92,46,517.00	6.34% Excess	L-III
2	NCC Ltd.		Rs.273,22,08,937.04	0.81% Less	L-II
3	SMSL-DDBL (JV)		Rs.247,13,58,434.05	10.28% Less	L-I


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5.6 The Project Level Tender Committee (PLTC) held on 25-02-2021 scrutinized the price bid evaluation report and recommended the bid price of the lowest bidder SMS Limited - D.D. Builders Ltd. (Joint Venture) (SMSL-DDBL (JV)) for the work amounting to Rs.247,13,58,434.05 (with specific provisional sum i.e. Dispute Board and Third Party Inspection) which is 10.28% less than the estimated cost put to bid i.e. Rs.275,44,89,007.46 for approval of Government (**Annexure-D**). The L-1 Bidder has extended his bid validity till finalization of the bid.

Tender Committee of EIC, WR dated 17.03.2021 recommended to Govt. in Department of Water Resources for approval of the price bid of the lowest evaluated bidder SMSL-DDBL (JV) for "Construction of left Bank Canal from RD 100.490 KM to RD 107.500 KM including all Structures under ICB Civil Works Package- D(I)" amounting to Rs.2,47,13,58,434.05 (with specified Provisional Sum (Dispute Board and Third Party Inspection) which is 10.28% less than the sanctioned amount put to bid i.e. Rs.2,75,44,89,007.46.

5.7 The TC-cum-EC of DoWR held on 24-03-2021 recommended to award the work to the lowest bidder SMS Limited - D.D. Builders Ltd. (Joint Venture) (SMSL-DDBL -(JV)) at their quoted amount of Rs.247,13,58,434.05 (with specific provisional sum i.e. Dispute Board and Third Party Inspection) which is 10.28% less than the estimated cost put to bid i.e. Rs.275,44,89,007.46 (**Annexure- E**).

6. Financial Implications:-

As per loan agreement, the cost of the project is INR 2255.30 Crore (JICA share is INR 1787.20 Crore and State share is INR 468.10 Crore). The Project (all civil works) is planned to be completed by March-2023. The provision for the work "Construction of left Bank Canal from RD 100.490 KM to RD 107.500 KM including all Structures under ICB Civil Works Package- D(I)" is Rs.250.682 Crore excluding taxes at 2013 price level. The estimate for the above work amounting to Rs.311,32,56,100.00 (Rs.2782644833.00 + GST Rs.330611267.00) was sanctioned by Chief Engineer JICA Projects Brahmani Left Basin Sukinda vide sanctioned Estimate No.01/2019-20. The sanctioned amount put to Bid is Rs.2,75,44,89,007.46. The approved Bid amount of the lowest bidder SMS Limited - D.D. Builders Ltd. (Joint Venture) (SMSL-DDBL -(JV)) is Rs.247,13,58,434.05 (with specific provisional sum i.e. Dispute Board


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and Third Party Inspection) is well within the provision of Rs.250.682 Crore in the loan agreement for this work under ICB CW Package D(1).

7. Approval of Cabinet sought for:

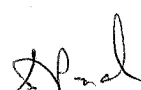
7.1 Approval to award the work i.e. "Construction of Left Bank Canal from RD 100.490 Km to RD 107.500 Km including all structures, ICB CW Package- D (1)" in favour of the lowest bidder SMS Limited - D.D. Builders Ltd. (Joint Venture) (SMSL-DDBL -(JV)) at their quoted amount of Rs. 247,13,58,434.05 which is 10.28% less than the estimated cost put to bid Rs.275,44,89,007.46.

7.2 The approval of Hon'ble Chief Minister has been obtained on dated _____ (noting- _____ of OSWAS file No. _____) to place this proposal before the State Cabinet.

7.3 The synopsis in respect of the above proposal has been placed in the Appendix to the Memorandum.

(Anu Garg)

Principal Secretary to Government


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PRESS BRIEF

Subject: - Approval of the bid for the work “Construction of Left Bank Canal from RD 100.490 KM to RD 107.500 KM including all structures, ICB CW Package- D(1) ”.

- Cabinet today approved the tender for part of Rengali Left Bank Canal (7 Km) from RD 100.490 Km to RD 107.50 Km for a cost of Rs.247,13,58,434.05(Rupees Two Hundred Forty Seven Crore Thirteen Lakh Fifty Eight Thousand Four Hundred Thirty Four and Paise Five only) to be completed in 36 months.
- Government of Odisha has received Japanese ODA Loan from JICA through Government of India to execute the Rengali Irrigation Project (Phase-2) for construction of balanced structures of Left Bank Canal from RD 71.313 Km to 100.490 Km and construction of Left Bank Canal from RD 100.490 Km to 123.500 Km and distribution system with all structures from RD 71.313 Km to RD 123.500 Km. The Project is planned to be completed by March-2023 in respect of Civil works

The advantages from this work:

- i. The project will give direct irrigation to a Culturable Command Area (CCA) of 39,415.94 Ha. in the upland areas of the districts of Dhenkanal, Jajpur and Keonjhar.
- ii. As the canal is of 141 Km in length the canal has been designed to carry the water for further irrigation of 33551 Ha (through flow and lift) in Phase-3 in the Districts of Jajpur and Keonjhar.
- iii. This canal will also feed 30 cumecs of water to Anandapur Barrage to create additional ayacut of Anandapur barrage and Salandi barrage.


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Government of Odisha
Department of Water Resources

APPENDIX

SECRET

File No. IIT-RP-12/2019
Water Resources Department

No. _____/DoWR, Bhubaneswar dated the _____, 2021

Subject: Approval of the bid for the work "Construction of Left Bank Canal from RD 100.490 KM to RD 107.500 KM including all structures, ICB CW Package-D(1)".

SYNOPSIS

Sl. No.	Gist of decision required	Benefits/Expected outcomes	Time-frame and manner of Implementation
1	Approval to award the work "Construction of Left Bank Canal from RD 100.490 KM to RD 107.500 KM including all structures, ICB CW Package-D(1)" in favour of the lowest bidder SMS Limited - D.D. Builders Ltd. (Joint Venture) at their quoted amount of Rs.247,13,58,434.05 (Rupees two hundred forty seven crore thirteen lakhs fifty eight thousand four hundred thirty four and paise five only).	On completion of this reach of the Left Bank Canal (Part of the Rengali Irrigation Project, Phase-2) will create irrigation potential of 39,415.94 Ha of Culturable Command Area (CCA) of the upland area in the Districts of Dhenkanal, Jajpur and Keonjhar.	36 calendar months from the date of signing of agreement.

Signature _____
(Anu Garg)
Principal Secretary to Government


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Dist.-Jajpur, Odisha**

ପ୍ରେସ ବିବୃତ୍ତି

ବିଷୟ:- ରେଙ୍ଗାଲି ବାମ ପାର୍ଶ୍ୱ କେନାଲ ୧୦୦.୪୯୦ କି.ମି. ଠାରୁ ୧୦୭.୫୦୦ କି.ମି. ପର୍ଯ୍ୟନ୍ତ ମୂଖ୍ୟ କେନାଲ ଏବଂ ଏହାର ସମସ୍ତ ଷ୍ଟକଚର ନିର୍ମାଣ ନିମନ୍ତେ ୨୪୭.୧୪ କୋଟିର ଗୃହିତ ଟେଣ୍ଡର ଅନୁମୋଦନ ପ୍ରଦାନ ସମ୍ବନ୍ଧରେ -ICBCWPackage-D (I) ।

ଆଜି କ୍ୟାବିନେଟ୍ ବୈଠକରେ ରେଙ୍ଗାଲି ଜଳସେଚନ ପ୍ରକଳ୍ପର ବାମ ପାର୍ଶ୍ୱ କେନାଲର ୧୦୦.୪୯୦ କି. ମି. ଠାରୁ ୧୦୭.୫୦୦ କି.ମି. ପର୍ଯ୍ୟନ୍ତ ନିର୍ମାଣ ନିମନ୍ତେ ୨୪୭.୧୪ କୋଟିର ଗୃହିତ ଟେଣ୍ଡରକୁ ଅନୁମୋଦନ ପ୍ରଦାନକରାଯାଇଛି । ଏହି କାର୍ଯ୍ୟଟି ୩୬ ମାସରେ ସମ୍ପୂର୍ଣ୍ଣ ହେବ ।

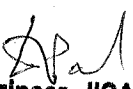
ରାଜ୍ୟ ସରକାର ଭାରତ ସରକାରଙ୍କ ମାଧ୍ୟମରେ ରେଙ୍ଗାଲି ଜଳସେଚନ ପ୍ରକଳ୍ପର (ଦ୍ୱିତୀୟ ପର୍ଯ୍ୟାୟ) ରେ ବାମ ପାର୍ଶ୍ୱ କେନାଲର (i)R.D.୭୧.୩୧୩ କି.ମି. ରୁ ୧୦୦.୪୯୦ କି.ମି. ମଧ୍ୟରେ ବଳକା ଷ୍ଟକଚର କାର୍ଯ୍ୟର ନିର୍ମାଣ, (ii)R.D. ୧୦୦.୪୯୦କି.ମି.ରୁ ୧୨୩.୫୦୦କି.ମି. ପର୍ଯ୍ୟନ୍ତ ବାମପାର୍ଶ୍ୱ କେନାଲ ନିର୍ମାଣ ଏବଂ (iii)R.D. ୭୧.୩୧୩ କି.ମି.ରୁ ୧୨୩.୫୦୦କି.ମି. ପର୍ଯ୍ୟନ୍ତ ଜଳ ବିତରଣ ପ୍ରଣାଳୀ ଏବଂ ସମସ୍ତ ଷ୍ଟକଚର ନିର୍ମାଣ କାର୍ଯ୍ୟର କାର୍ଯ୍ୟକାରୀତା ପାଇଁ ODALOANJICA ଠାରୁ ଗ୍ରହଣ କରିଛନ୍ତି । ଏହି ପ୍ରକଳ୍ପଟିର ସମସ୍ତ ନିର୍ମାଣ କାର୍ଯ୍ୟ ମାର୍ଚ୍ଚ 2023 ମଧ୍ୟରେ ସମ୍ପୂର୍ଣ୍ଣ କରିବାପାଇଁ ଯୋଜନା କରାଯାଇଛି ।

ପ୍ରକଳ୍ପର ଉପକାରୀତା :-

୧) ଏହି ପ୍ରକଳ୍ପ ଦ୍ୱାରା ଡେଙ୍କାନାଳ, ଯାଜପୁର ଏବଂ କେନ୍ଦୁଝର ଜିଲ୍ଲାର ୩୯୪୧୫.୯୪ ହେକ୍ଟର ଜମିକୁ ଜଳସେଚନ କରାଯାଇ ପାରିବ ।

୨) ଏହି ପ୍ରକଳ୍ପର 3ୟ ପର୍ଯ୍ୟାୟରେ ମୂଖ୍ୟ କେନାଲକୁ ୧୪୧ କି.ମି. ପର୍ଯ୍ୟନ୍ତ ବର୍ଦ୍ଧିତ କରାଯାଇ ଯାଜପୁର ଏବଂ କେନ୍ଦୁଝର ଜିଲ୍ଲାର ୩୩୫୫୧ ହେକ୍ଟରଆଣ ଜଳସେଚିତ ଜମିକୁ ଜଳସେଚନ ସୁବିଧା ଉପଲବ୍ଧ କରାଯାଇ ପାରିବ ।

୩) ମୂଖ୍ୟ କେନାଲ ମାଧ୍ୟମରେ ବୈତରଣୀ ନଦୀ ଉପରେ ନିର୍ମିତ ଆନନ୍ଦପୁର ବ୍ୟାରେଜର ଜଳ ଉତ୍ସାରକୁ ୩୦ ଘନମିଟର ଜଳ ଯୋଗାଇ ଦିଆଯାଇପାରିବ ଏବଂ ଏହି ଜଳର ବିନିଯୋଗ କରି ଆନନ୍ଦପୁର ବ୍ୟାରେଜ ଏବଂ ସାଳନ୍ଦୀ ବ୍ୟାରେଜର ଜଳସେଚନ ଅଞ୍ଚଳକୁ ବର୍ଦ୍ଧିତ କରାଯାଇ ପାରିବ ।


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Brahmani Left Basin, Sukinda
Dist.-Jajpur, Odisha

Financial Memorandum

1 Does the proposal involves revenue loss?

(Put a ✓ mark in the appropriate box)

Yes No

2 In case the proposal involves revenue loss what is the estimated quantum of loss?

(Indicate the amount in the appropriate box)

Non-recurring

Recurring
(Per annum)

3 Does the proposal involve additional budgetary expenditure?

(Put a ✓ mark in the appropriate box)

Yes No

4 In case the proposal involves additional budgetary expenditure what is the estimated quantum?

(Indicate the amount in the appropriate box)

Non-recurring

Capital
Revenue

Recurring
(Per annum)

5 Does the proposal envisage creation of new post?

(Put a ✓ mark in the appropriate box)

Yes No

If yes what is the estimated annual salary expenditure?

(Indicate the amount in the appropriate box)

6 Does the proposal involve imposition of any new tax or any change in the method of assessment or the pitch of any existing tax, land revenue or irrigation rates?


(Put a ✓ mark in the appropriate box)

Yes No

If yes what is the estimated annual revenue yield?

(Indicate the amount in the appropriate box)

(Anu Garg)
Principal Secretary,
Department of Water Resources.


Chief Engineer, JICA Project
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